ChateauXP
ChateauRT4

User's Manual

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FCC (Federal Communication Commission) Notice

This equipment has been tested and found to be in compliance with the criteria for Class B digital devices as referred in Part 15 of the FCC Rules. The FCC Rules are designed to provide reasonable protection so that equipment complying with those criteria will not cause harmful interference when installed indoors. This equipment may generate radio frequency energy and, if not installed in accordance with instructions, it could cause harmful interference to wireless communications. However, certain installation in special way may also cause interference. If this equipment causes interference to the reception of radio and television, users shall eliminate the interference by using any or several of the following measures:

- **Reorient and relocate the receiving antenna.**
- **Increase the distance between the equipment and receiver.**
- **Connect the equipment to an outlet on a different branch circuit from the receiver**
- **Seek help from a dealer or an experienced radio/TV technician.**

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INTRODUCTION

Chateau Digital Video Surveillance System is an all-in-one system that integrates various functions including monitoring, video recording and playing, alarming, controlling and remote monitoring. **Chateau** transfers recorded image signals into digital signals and, after compression, save them in the hard disk of PC. With many years' efforts, we have successfully applied **H.264** and **SMICT** (**S**uper **M**otion **I**mage **C**ompression **T**echnology) to this system. The super data compression ratio makes it possible to save image data in the limited hard disk of PC for weeks or even for months.

Although the **H.264** and **SMICT** (Super Motion Image Compression Technology) provide the extra high image compression ratio, the image quality is not affected because of the increased compression ratio. Small volume of data enables it to transmit images through limited bandwidth (narrow band) transmission media (e.g. MODEM) at a better performance than normal. **H.264** and **SMICT** may be currently the only image compression technology specifically developed for the security market.

Chateau system has the following features:

- Hardware Specification:
  VG4C-XP/-V: Each card supports 4 video inputs and 2 audio inputs.
  VG8C-XP-TV: Each cards support 8 video inputs and 2 audio inputs and one video output to show 8 images on the 9-split window on a TV monitor.
  VG4C-RT4: Each card supports 4 video inputs and 4 audio inputs.
  VG8C-RT4: Each card supports 8 video inputs and 8 audio inputs.
- Multi-card design architecture: One PC supports up to 16 video inputs and up to 16 audio inputs. (**VG4C-XP/-V**: A maximum of 9 audio inputs; **VG8C-XP-TV**: A maximum of 5 audio inputs. Which includes the Mic-in from the sound card)
- **H.264 (VG4C/8C-RT4)** and **SMICT** (**VG4C-XP/-V** and **VG8C-XP-TV**) with high video compression ratio provide superior image quality and long recording time.
- Adjustable image sizes, quality and recording speeds.
- Support High Quality recording mode (HQ) for better recording image quality.
- Image data can be stored onto all of hard disk drives that are installed in a computer.
- Provides up to 16 audio channels to operate with the cameras for audio recording or playback. When audio recording, the audio input on the VG card can playback the real time audio.

- Support Webcam function. Users can remote monitoring using IE browser.
- Intelligent real-time motion detection and alarm functions.
  - Adjustable sensitivity of motion detection
  - Motion detection triggering local alarm
  - Motion detection triggering remote alarm (dialing out to a telephone, a pager or a remote **Chateau** system)
- Individual alarm setting for each camera
- Pre-alarm function will only be functioned when recording all time.
- Every input port for the cameras can program alarm schedule.
- Alarm log
- Scheduled recoding
- Recyclable recording
- Quick search for the stored video files
- Full playback functions
- The following functions may be performed through PSTN, LAN, Internet or Intranet: remote monitoring, video recording, PTZ control, output port control, searching and downloading video files.
- My Channels Function. This function can show the appointed camera from different hosts on the same screen for monitoring. Using of this function can select the required remote images (A maximum of 16 images) to arrange in the appointed location to remote.
- Auto Scan function for My Channel. Auto scan function can be performed within different my channel setting when one or more “My channel” is set.
- Snapshot at recording, playback or remote monitoring.
- Output port (Device) control and input port (Sensor) detecting.
- Control of the traditional PTZ and high speed dome camera
- Dome Camera: preset control
- Dome Camera: auto-pan control
- Dome Camera: cruise of preset positions (with programmable stay time at each preset position)
- Input sensor triggered the preset position of the dome camera.
- Video Lost Alarm.
- Superb multi-functions:
  - Simultaneous remote monitoring and control on different remote sites
  - Simultaneous remote monitoring and control by different remote sites
  - Simultaneous receiving of different cameras triggering alarms
  - Simultaneous playing of several image files
  - Simultaneous watching of several pictures
  - Simultaneous performance of all the foregoing functions
- Watermark function. (Only **VG4C-XP/-V** and **VG8C-XP-TV** support this function).
- E-mail function. When alarm triggered, alarm information, attachment video files or snapshot can be sent through E-mail.
- **ChateauServer**’s IP management function can set the IP addresses that are allow or not allow for connection.

- Clipping of video files
- Hiding recording screen
- Password protection
- Auto-start video recording as soon as computer is turned on
- Automatically shut down the computer when System Administrator closes **Chateau** program.
- Preset computer auto turn on.

Special Notice:

1. This user's manual contains the product explanation for **VG4C-XP**, **VG4C-XP-V**, **VG8C-XP-TV**, **VG4C-RT4** and **VG8C-RT4**. As the method of operation for the above products are the same. So the picture and graphic is based on **VG4C-XP**. All other hardware spec differences will be explained in detail at Chapter 1.2 Hardware Specification Differences. Users please take notice of the differences on the product specification and the setting differences. The software operation will not be explained separately.
2. System software name correspondence:
   VG4C-XP, **VG4C-XP-V** and **VG8C-XP-TV**: Software name is **ChateauXP**
   VG4C-RT4, **VG8C-RT4**: Software name is **ChateauRT4**
   We would call the software generally as **Chateau** in this user's manual without version differences. Please take notice of the software name on each product for lesser confusion
3. This user's manual content does not include the products **VG1C**, **VG2AV**, **VG4C**, **VG4C-V**, **VG4C-Plus**, **VG4C-RT** and **VG8C-MP4**. Please take note.
4. **V5.xx version is using brand new Internet connection structure, only V5.xx version systems can connect to each other. V5.xx will no longer support modem dialing function.**
5. **Chateau** program only support Windows2000/XP operating system, Please do not installed on Windows95/98/ME/NT and Windows2003Server operating system.
6. Due to the different hardware design and different compression technique, only **VG4C-XP**, **VG4C-XP-V** and **VG8C-XP-TV** can be mixed used. And **VG4C-RT4** and **VG8C-RT4** can also be mixed used. Please do not mixed used other products.

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Chapter 1: Installation

1.1 Package Contents

Chateau package includes:

- One **VGuard** PCI interface card.
- One CD containing the **VGuard** system drivers and the application programs.
- One copy of this user's manual.
- One watchdog reset connection cable.
- One Audio in (RCA to Earphone plug) connection cable.
- **VG8C-XP-TV** and **VG8C-RT4** contains an expansion board and connecting cable to expand to 8 video/Audio inputs.

1.2 Hardware Specification Differences

- **VG4C-XP**, **VG4C-XP-V card**: Each card supports 4 video inputs and 2 audio inputs.
  Video inputs (BNC) terminal numbers from bottom to top are Camera1 to Camera 4. Red RCA jack is Camera 1 and the white one is Camera 2 for the audio in (RCA to Earphone plug) connection cable.

- **VG8C-XP-TV card**: Each card supports 8 video inputs and 2 audio inputs.
  Video inputs (BNC) terminal numbers from bottom to top are Camera1 to Camera 4 for the main card.
  Video inputs (BNC) terminal numbers for the expansion board from bottom to top are Camera 5 to Camera 8.
  Red RCA jack is Camera 1 and the white one is Camera 2 for the audio in (RCA to Earphone plug) connection cable.
  Video output (yellow RCA Jack): users can connect this output terminal to the video in terminal on a TV monitor; this monitor will display the connected 8 channels of images simultaneously. (It will be displayed as a 9-split window. TV monitor only provide the real time monitoring, cannot be controlled. TV monitor image signal spec is the same to the **VGuard** image signal setting. It can be either under NTSC or PAL mode).

- **VG4C-RT4 card**: Each card supports 4 video inputs and 4 audio inputs.
  Video inputs (BNC) terminal numbers from bottom to top are Camera 1, Camera 2, Camera 3, and Camera 4.
  The red, white, black and yellow color (RCA jacks) on the audio in (RCA to PS2 Plug) connection cable is for Camera 1 to Camera 4.

- **VG8C-RT4 card**: Each card supports 8 video inputs and 8 audio inputs.
  Video inputs (BNC) terminal numbers from top to bottom are Camera1

to Camera 4 for the main card.
Video inputs (BNC) terminal numbers for the expansion board from top to bottom are Camera 5 to Camera 8.
The red, white, black and yellow (RCA jacks) color on the audio in (RCA to Earphone Plug) connection cable for the main card is for Camera 1 to Camera 4.
The red, white, black and yellow (RCA jack) color on the audio in (RCA to Earphone Plug) connection cable for the expansion board is for Camera 5 to Camera 8.

Note: **VGuard** cards can only support the microphone with driving audio signal output ($1V_{PP}$). The microphone without it will not be able to connect to **VGuard** cards for sound recording.

1.3 System Requirements

To ensure the efficiency performance of **Chateau** system, the **Minimum Requirements** on a PC are as follows:

- IBM compatible PC minimum CPU requirement as follow.
  Four cameras: **CPU 1.2GHz** or above.
  Eight Cameras: **CPU 1.6GHz** or above.
  Sixteen Cameras: **CPU 2.0GHz** or above.
- **256MB** RAM and above.
- **Window 2000 / XP** working system.
- **64MB RAM** or above on **VGA** card with **AGP** or **PCI-E** interface. (Strongly recommend to use **nVidia's** VGA card, **Geforce2 MX200** or **MX400** or above and the use of the latest version driver that downloads from their web site is recommended).
- **DirectX 8.1** version or above.
- Ethernet card
- Full-duplex sound card.
- **Power supply** is suggested to have at least full **300W**
- It is recommended to format the hard disk using **NTFS** format to increase the system reliability. And the hard disk is suggested to partition off into two partitions to separate the OS and video file database in different partition. Please reserve enough disk space for Windows operating system temporary saving spaces, at least 5-10GB.

Note: The use of **VIA's VT-8233A, SIS 630, and SIS655** chipset's motherboard will have a compatible problem with **Chateau**'s card. It is recommended not using it.

1.4 Hardware Installation

1. Turn off your PC and unplug it. Remove your PC casing cover.
2. Install the **VGuard** card into an available PCI slot.
3. Using the watchdog connecting cable to connect the reset signal from

the motherboard with JP2 (1、2) on the **VGuard** card. Then connect JP2 (3、4) to the reset switch on the computer panel for automatic launch function. (Connect to any **VGuard** card is workable. But the watchdog functions on the card need to be enabled. It is recommended to enable all watchdog function on every card for smoother watchdog function.)

4. Place the PC casing cover onto your computer and plug it in.
5. Plug the “Video out” of the camera into the “Video in” of the **VGuard** card.
6. Plug the “audio out “cable of the microphone to the “Mic-In” jack of the VGA card; or connect the audio out from the camera to the audio in of the **VGuard** card.

1.5 Installing Hardware Driver for VGuard card

Plug in and Turn the PC on. Please login the window OS with an authorized user. Once powered up, Windows’ PnP feature automatically detects **VGuard** card and requests for installing the driver. Load the included **Chateau** system CD into your CD drive. Direct Windows to the path where drivers are stored, e.g. **D:\WIN2000_XP\Driver7146** (This is the driver file name for **VG4C-XP/-V,** and **VG8C-XP-TV**. Driver file name for **VG4/8C-RT4** is **Driver_dm642**). Please select the correct OS path. (D: refers to the path for CD drive. This will be different according to different computers). Follow the instructions on the prompted screens to proceed with the rest of the installation.

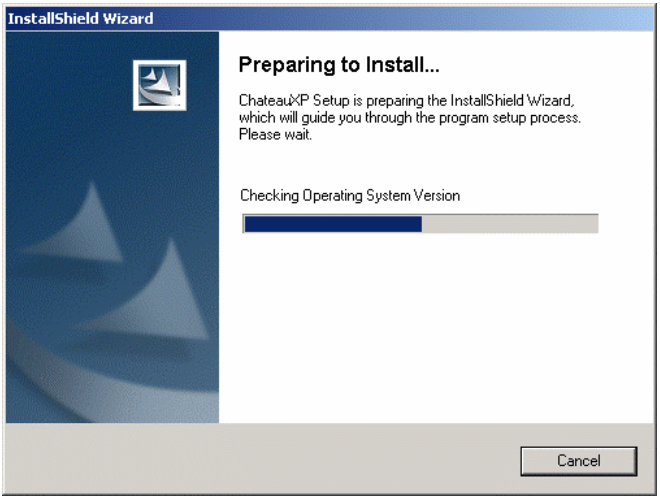
For Multi cards system, it is suggest installing all cards on PCI slots, and following the steps above for **VGuard** driver installation.

1.6 Installing Chateau Application Software

Before installing **Chateau** application software, please ensure that **VGuard** card hardware drivers have been successfully installed.

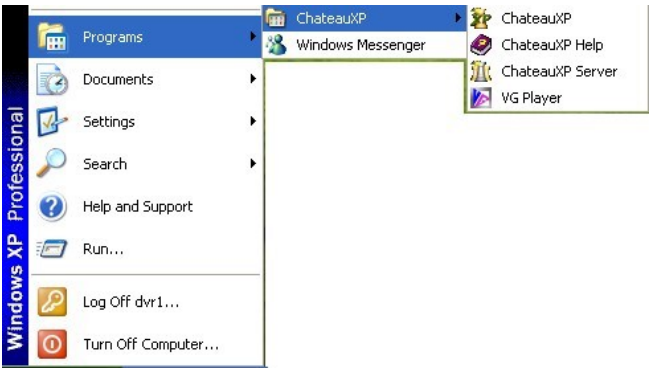
Note: It is recommended updating your OS system and **VGuard** driver to its latest version before installing the **Chateau** application software.

1. Enter Windows operating system.
2. Put the **Chateau** system CD into your CD-Rom drive.
3. After double Click “My Computer”, double click the CD-Rom drive. (Chateau_EN (D:)). Double click the correct operating system (WIN2000_XP)
   Note: E: refers to the path for CD drive. This will be different according to different computers
4. Double Click “**ChateauSoftware**” and then double Click “**Setup.exe**”. The following installation picture will appear on the screen.


InstallShield Wizard
Preparing to Install...
ChateauXP Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.
Checking Operating System Version
Cancel

5. Follow the instructions and select the **Next** button to continue the installation.
   Note: Installation programs will inform whether your computer needs to restart after the installation.

6. After the above installation is finished, **Chateau** will appear in the **Program Folders Menu** as illustrated below:



1.7 Upgrading Software

With the most updated version of **Chateau** software, please follow the steps below to upgrade your software.

1.7.1 Uninstall the old version

Use Add/Remove Program in the Control Panel program folder in the Windows to remove the previous version of **Chateau** programs. Select the **Chateau** on the Add/Remove Program in the Control Panel. Then click the **Remove(R)** icon to remove the **Chateau** program.

As the image files and directories are not actually removed during the process of removing the **Chateau** programs, therefore, those directories created in previous installation still exist. The user may use File Explorer to check out the directories under **C:\Program Files\Chateau** (we assume it is the directory selected in previous installation). Delete those directories and files unless the user chooses to keep those directories and the image files under **C:\Program Files\Chateau**

Note: In order to prevent abnormal execution of the new version of **Chateau** programs, it is recommended to delete all of the associated files other than those subdirectories in the **Chateau** directory.

1.7.2 Installing New Version of Chateau

Please refer to Chapter 1.6 Installing Chateau Application Software for the procedure of installing a new version of application programs.

Note: Before you install the new version of **Chateau** software, please confirm whether the version of the driver is the same to the version of the driver enclosed. If the version is different, please update the driver version and then install **Chateau** application software. Otherwise it will cause the software to function abnormally.

Chapter 2: System Overview

To execute **Chateau** program, simply double-click on the shortcut icon on the Windows Desktop as illustrated below. (It is recommended to set the monitor resolution to **1024x768, 32bit true color** or above for better screen display.)

Different Software versions please refer to Special Notice for more information.

Alternatively, select **Chateau** program from the **Program** folder. Click the left button of mouse and start the program.

2.1 Starting Chateau software

At the very first run of **Chateau** after installation, **Chateau** will request user to define the user name and password for **System Administrator.**

System Administrator is the user with the highest privilege. Please bear the Administrator name and password in mind. **Chateau** system cannot be started and the System Setup cannot be performed until the **System Administrator** is set up.
At the second and the onward runs of **Chateau** program, **Chateau** will enter the main screen. Under the main screen, press **ESC** or the login/logout button at the bottom right hand corner, the system will request user to login with a user name and password.

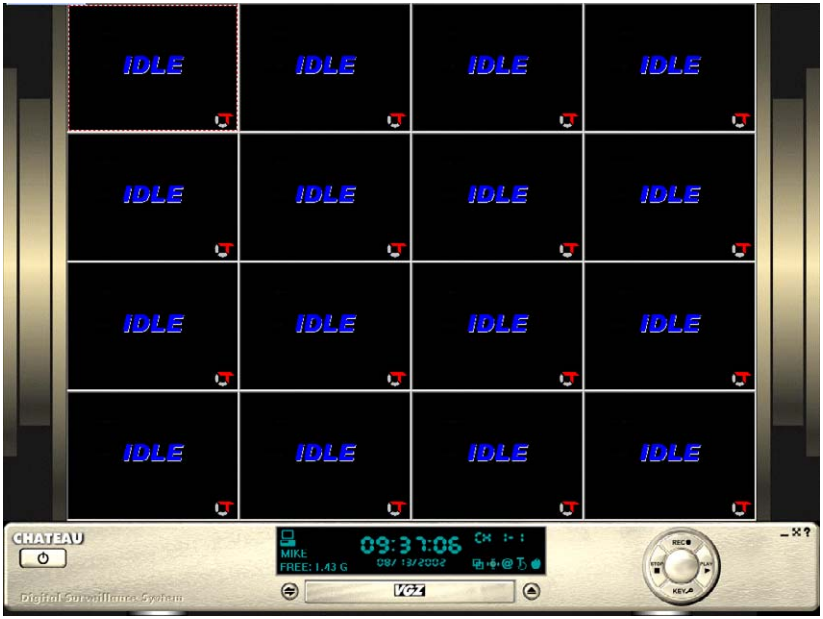
User names will have limited access for operation depending on the predefined access auditing. This limitation does not apply to System Administrator. Please refer to Chapter 3.5 Users for the setting of user name/password and the auditing.

Note: Only logging in by **System Administrator's** name and password

can be accessed for the modifying of the system. Other users can only be accessed for operation or depending on the predefined access auditing.

2.2 Main Screen

After entering into **Chateau** system, you will see the Main Screen. The picture below is for 16 channels system:



The Main Screen consists of 2 sections. The upper section will be the **System Image Section** and the lower section will be **System Functional Section**. Most of the panel for function setting buttons and control functions will be invisible. Users need to click the reveal button to show the panel board.

2.2.1 Image Section

This section is primarily to display the images from cameras. **VGuard** card can be installed up to 16 cameras in one system. The screen pattern (number of camera views) therefore varies from one system to another depending on the card model and quantity of card installed. **Chateau** automatically detects the number of **VGuard** cards installed, and then automatically arrange the screen pattern on this section based on the total number of cameras.

All of the images displayed in this section can be enlarged or reduced. First, move the mouse to the desired image and double click on the image to enlarge it. The images will be re-arranged at this time so as

to accommodate the displays of all images. The image will be at full screen size if double clicked again. Another double click will return to the normal size image, which had not been enlarged.

2.2.2 System Functional Section

Main panel in system functional section:

Explanation for the buttons for the main pane l in system functional section:

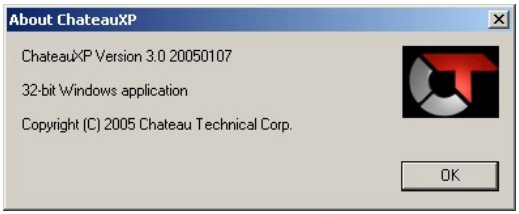
Minimize: Main screen will be minimizing after pressing the button. And will be shown on the bottom right hand side of Window.

Full Screen: The image will be enlarged to a full screen display mode when pressing this button. Press **ESC** key to return to original screen size.

On Line Help: Provides on-line help for system operations.

Exit: Exit the program. **(Only System Administrator can use the exit function.)**

About: Contains the copyrights information of the product.



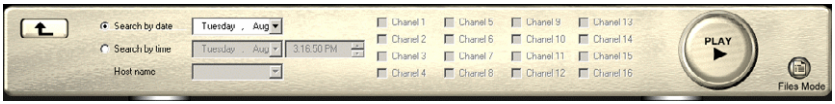
Record: By pressing this button, it will activate all the preset cameras to function video/audio recording

Stop Recording: By pressing this button, it will stop all video/audio recording.

Log In/Out: When running the system, the user's password is required before one can perform the system programs. When user need to be away and do not want others to have access to the system, he/she may logout the system first. Then, all the system operations (functions) will be shut down. You cannot even exit the system program. The system will not work until the users re-login with his/her password. When

the user logout from the system, the system will automatically display as a full screen image. The user will then need to press **ESC** button for re-login. The login dialogue box will appear again for the input of password and user name. After the correct password and user name is input, the system will then back to normal.

Playback: By pressing this button, the playback functional panel will appear for the System Functional Section as below: Playback functional panel will be explained in detail in Chapter 5: Playback.



Displayed or Hidden for Setting functional panel button:

When you click this button the first time, the setting functional panel will be displayed as below:

Click this button again to hide the setting functional panel as below:

Explanation for the buttons for the setting functional panel as below:

Remote Access: Allow linkage to **Chateau** host site. Please refer to Chpater 9: Remote Access for more remote setting and detail explanation.

Auto Scan: Every Camera images in the image displayed section will be enlarge one by one automatically and displayed when this button is clicked for remote use. This will not influence the recording function. For the setting of the auto scan interval, please refer to Chapter 3.3 Host setup for more detail.

System Setup: Setting of the System. Please refer to Chapter 3 System Setup for more detail.

Alarm/User Log: To record the times of logins and logouts for each local user, **Chateau** system connecting duration and connecting messages, times and messages when alarm occurs for both local and remote sites. Please refer to Chapter

6.3 Alarm/User Log for more detail.

E-Map: Please refer to Chapter 3.11 E-map for more detail.

Mute: Shut down all audio outputs from the sound card caused by the alarm.

A **Status Panel** is located in the upper part of the Setting functional panel. Click the left mouse button once to hide the status panel as the picture below:

Click the left mouse button again to display the status panel as below:

The **Status Panel** mainly includes the following display items and functions:

- **Host**: Displays the name of the Host computer in control now. It can be a local host or remote host. means not yet connected. And means connected to **ChateauServer**.
- **Hard Disk Space**: Displays the hard disk number and spaces available in the database. If the hard disk free space is not enough, it will be displayed as **"No Space".**
- **Scan**: When this is displayed, means auto scan function is activated.
- **Current Time**: Display the current date and time.
- **Camera Status**: Display the assigned camera position, (which camera from which number of card) video/audio recording status, (Display "**Video**" for recording video, monitoring if not display. Display "**Audio**" when recording sound. No display when not recording audio).
- **Image Functional Icon**: Image functional icons include Unmask Motion Detection Area, Snapshot, Caption, Caption Color, and Video Configuration. Please refer to Chapter 4.2 Image Function Button for more detail.

Display / Hide the Control Panel Button:

When this button is clicked, the Host control panel will be shown on the right hand side of the screen as the first left picture below. When this button is click again, the control panel will be hidden to its original

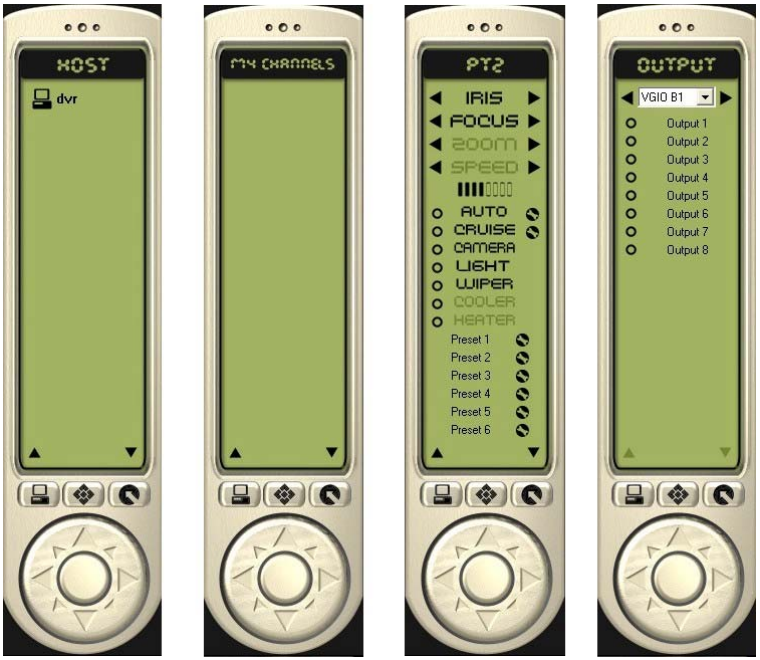
images. The following buttons in the control panel can change to the different functional control panel as below;

Host: Click button to change to **Host control Panel;** or when under **My Channel control panel**, select the last page/ next page button can also change to **Host control panel**. When local host and other remote hosts are connected, you can select the remote host here. Please refer to Chapter 9 Remote Acess for more detail.

My Channel: Under **Host control panel**, select the last page/ next page button can change to **My Channel control panel**. Please refer to Chapter 3.7.4 My Channels Operation for more detail.

PTZ Control: When is click, it then can be changed to **PTZ Control Panel**. This control panel is to control the local and remote PTZ cameras o speed dome cameras. For adjusting the Iris, Focus, Zoom, Up/Down, Right/Left movement, Cruise of Preset Position and Auto Pan functions. Please refer to Chapter 7.2 PTZ Control Panel for more detail.

Output Port Control Panel: When is click, it then can be changed to **Output Control Panel**. This control panel is to control the output port for both local and remote site. Please refer to Chapter 7.3 Output Port Control for more detail.



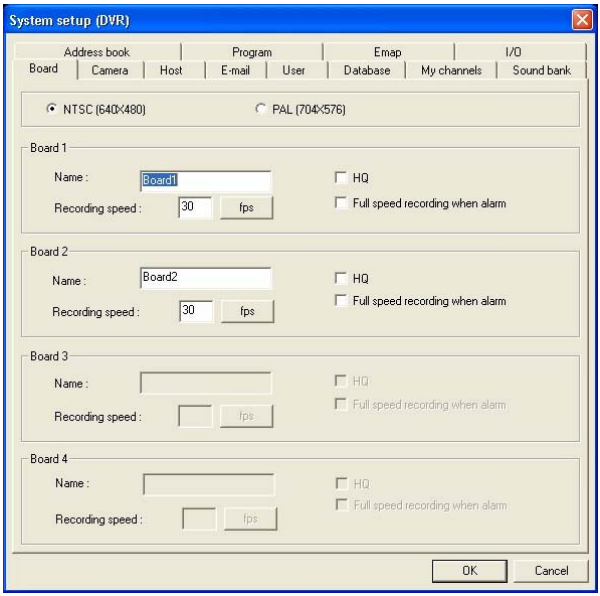
Chapter 3: System Setup

Click the

button on the **Setting Functional Panel**, to open the System Setup Menu. This System Setup menu contains of **Board, Camera, Host, E-Mail, User, Database, My Channels, Sound Bank, Address Book, Program, E-map** and **I/O device**. More detail will be follow in the chapter below.

3.1 Board Setup

The following menu will be shown when Board is selected. This example is the system installed with 2pcs **VG4C-XP** cards (8 Channels).



Note:

- Setup should be set under **"Not Recording"** status for the system to be saved and valid.
- A **Chateau** system can install a maximum of 16 cameras. It supports 4 **VG4C-XP/VG4C-XP-V/VG4C-RT4** Cards or 2 **VG8C-XP-TV/ VG8C-RT4** Cards. There will be a maximum of 4 setting areas for **VGuard** boards under this menu.
- If **VG8C-XP-TV** or **VG8C-RT4** is installed, then you will appear 2 setting areas for one **VGuard** card under this menu. (One for **VGuard** card and the other one for the expansion board)
- After successfully installed the **VGuard** driver and software application, when activate the **Chateau** program, the program will automatically detect for the numbers of **VGuard** card installed.

- **Video Standard:**
  This is for the setting the frame sizes for image displaying, processing and storing. You can select either **NTSC** or **PAL** system according to the camera you are using.
  Frame size for **NTSC** system: **640x480**: 640 pixels by 480 pixels.
  Frame size for **PAL** system: **704x576**: 704 pixels by 576 pixels.

- **Name:**
  The defaulted is **VGuard** card Number (N) (N=1~4). You can also set a name easier for you to identify for easier managing the whole security network.

- **Recording Speed:**
  This is to specify the recording speed, either in **fps** (frame per second) or **spf** (second per frame) (Clicking this button to switch between fps

and spf). **Chateau** System automatically adjusts the recording speed to the maximum speed of the CPU if the specified speed exceeds the PC maximum speed for image processing. (The default value is **30 fps** in **NTSC** system and **25fps** in **PAL** system)

- **High Quality Recording (HQ):**
  When this function is selected, this will provide finer recording image quality. However the file size will be increased. Enable of this functions have to be noted of the hard disk spaces requirement to avoid any problems due to not enough space available for saving.

  Note: Only VG4C-XP/-V and VG4/8C-RT supports this HQ function. VG4C/8C-RT4 is using totally hardware compression; so all cameras can activate this high quality recording function. For VG4C-XP/-V, it is using software compression, so it is limited to the system resources. When installed with 4 cards, only 2 cards can enable this high quality recording function (8 channels); when installed with 3 cards, then all three cards can enable this high quality recording function (12 channels). Please take notice of this.

- **Full Speed recording when alarmed:**
  Suppose that the camera is setting at a lower recording speed, when alarm triggered, the camera recording will be at full speed when this function is enabled.

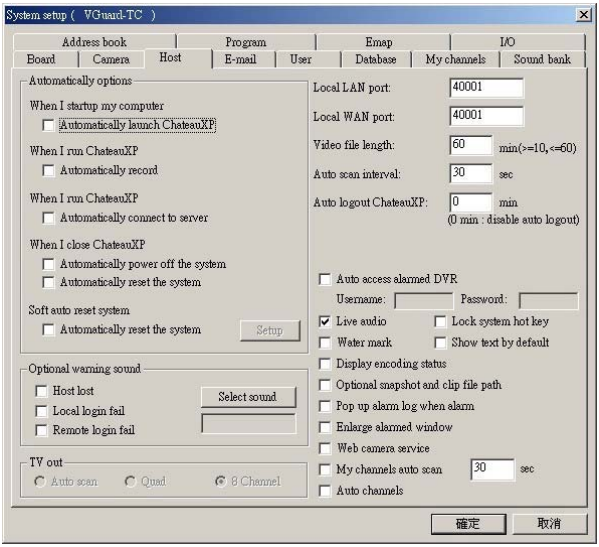
- **Exit:**
  Click **OK** to finish setting.

3.2 Camera Setup

Selected **Camera** and the camera system setup menu will be shown. Please refer to Chapter 4.3 Recording Setup for more detail.

3.3 Host Setup

The following setup menu will appear when **Host** is selected.



- **Automatically launch Chateau Program:**
  Allow you to setup automatically function to launch **Chateau** application program upon PC startup.

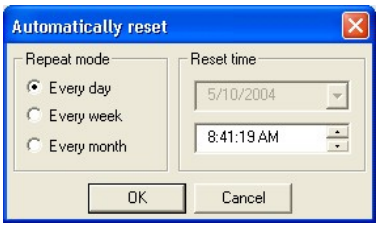
- **Automatically Record:**
  Allow you to setup automatically function to start recording upon **Chateau** program startup.

- **Automatically connection to server:**
  Allow you to setup automatically function to connect **ChateauServer** application program upon start-up. The system will automatically connect to the same **ChateauServer** connected previously. If the **ChateauServer** could not be found, the system will keep connecting to the **ChateauServer** program until it is found.

- **Automatically power off the system:**
  If this function is enabled, the system will be shut down when a **System Administrator** exit the **Chateau** program. If this function is disabled, it will only exit the **Chateau** program.

- **Automatically reset the system:**
  If this function is enabled, the system will be reset when a **System Administrator** exit the **Chateau** program. If this function is disabled, it will only exit the **Chateau** program.

- **Soft auto reset system:**
  If this function is enabled, the system will be reset and restart **Chateau** program at the schedule time.
  Click the **Setup** button, the “Automatically reset” dialog will be display for the setting of the automatically reset time interval. Only one of the following times can be selected to setup this function.



- **Every Day:** User can set to reset the system once every day.
- **Every Week:** User can set to reset the system once every week.
- **Every Month:** User can set to reset the system once every month.

Note:

1. This function is primarily to cope with the possible unstable resulting from long time operation of the system. To reset the system on a timely basis will reduce its unstableness.
2. If this function is enabled, the system will enable three functions automatically: Auto Launch of Chateau program, Auto-Connect to ChateauServer and Auto-Start Recording. So that the system can return to the original recording mode or automatically connect to the server after it is reset.
3. Under the Window working system, you will be asked to enter the password when starting the computer. If setting Auto functions for **Chateau** program, you will need to cancel the password setting (Please refer to Window user's manual for password setting) to be able to auto launch **Chateau** functions without been hold on the password requesting step.

- **Optional Warning Sound:**
  1. **Host lost:** When any linked host is regularly off-linked or irregularly disconnected, the local host will produce alarm sound to alert the operator that some other host is off-linked. Alarm log will record the name and time of the off-linked host.
  2. **Local login fail:** When the system is working, it will trigger an alarm and play the designated sound file if an incorrect login name or password is entered.
  3. **Remote login fail:** If a remote user links to this system by way of remote linkage and such remote user is an unauthorized user or his name or password is incorrect, the system will trigger an alarm and play the designated sound file to alert the local system operator in order to prevent any wrongful intrusion to the host system by a remote user.

- **Select Sound:**
  Click **Select sound**, users can select a sound file from the programmed **Alarm Sound Bank** to serve as the common alarm

sound when any of the above three events occurs.

- **TV-Out Display Mode:**
  This function only supports **VG8C-XP-TV** card. It has 3 display modes, **Auto Scan**, **Quad display mode** and **8 Channel display mode**.

  Auto Scan: When this mode is selected, **TV-Out** display images will display one images at a time from channel **1~8** with an interval of **3-4** seconds. Interval time is defaulted and cannot be changed.

  Quad: When this mode is selected, TV-Out display images will display 4 images (**1~4 and 5~8**) at a time with an interval of **3~4** seconds. Interval time is defaulted and cannot be changed.

  8 Channels: When this mode is selected, TV-Out display images will display all 8 channels in a 9 split windows. (The ninth window will display time and date.)

- **Local LAN port:**
  Local LAN ports for remote/monitoring. Please refer to Chapter 9.6 Remote/Monitoring Setup Example for more information.

- **Local WAN port:**
  Local WAN ports for remote/monitoring. Please refer to Chapter 9.6 Remote/Monitoring Setup Example for more information.

- **File Length (Video File Length):**
  The recording time for the video file is from **10 ~ 120** minutes. The default value is at **60** minutes. (Note that this is the length of recording time not the size of the file.) It is recommended that the parameter shall not be set too short; or the searching time may be longer due to too many files. Besides, there is a limitation on the number of files in each directory of the hard disks. It will be more difficult for file management if there are too many files.

- **Auto Scan:**
  The **Chateau** system will automatically enlarge all the camera images by the time setting in the box. The default enlarge time is **30** seconds. Click the

button to stop Auto scan.

- **Auto Logout Software:**
  When system does not have any movement include the movement from mouse, the system will auto logout software in the designated time to avoid controlling from other person. If the designated time is 0 minutes, it will disable this function.

- **Auto access alarmed DVR:**
  After activated of this function, system will be able to monitor the alarmed DVR when alarmed. A user name and password must be set

before using this function to login the remote DVR system. Please refer to Chapter 6.2 Setup for Receiving DVR remote warning.

- **Live Audio:**
  If enable this function. When the camera is set for audio recording, select the camera images with the audio recording setting, you will be able to hear the sound under recording. (The PC will need to connect to a speaker). The camera without audio recording setting will not be able to hear the sound.
  Note: This function only support the audio input from the **VGuard** card, the audio input on the sound card would not be supported.

- **Watermark: (Only VG4C-XP/-V and VG8C-XP-TV support this function)**
  After activated this function, the recording image will add with a watermark picture. The watermark picture will be shown when displaying images or playback image files. The intention of watermark is for the image not to be altered. Due to the image color, the watermark might not be easy to see. Please be aware.

- **Display encoding Status:**
  When display encoding status is enabled, the recording speed for the selected channel will be shown on the control panel at the lower part of the screen. This is the sampling number at once time. Not the average. So the actual recording speed might be different. As below:

- **Optional Snapshot and Clip file path:**
  When this function is activated, system will request for saving path when taking snapshot or file editing. When this function is not activated, system will automatically save the file under defaulted directory (\Picture and \Clip under Database).

- **Pop up alarm log when alarmed:**

  When this function is activated, system will display alarm log for the user to be notified when alarmed.

- **Enlarge Alarmed window:**
  When this function is activated, the alarmed channel images will be enlarged for the user to be able to monitor it.

- **Web camera service:**
  Activate this function will allow remote monitoring into the **Chateau** system through IE browser. Please refer to Chapter 9.7 Remote DVR Using IE Browser

- **My channels auto scan:**
  When one or more sets of “My channels” are set. By activating this function and set the interval, the system will display different my channel images according to the time set.

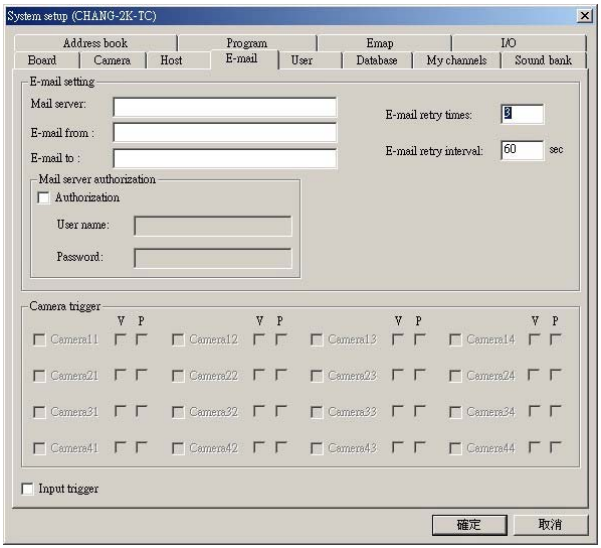
- **Auto My channels:**
  When activated, the program will auto start the first “My Channel: setting for monitoring. If remote cameras cannot be connected, then this connection action will stop after 4 seconds.

- **Lock system hot key:**
  Activate this function will lock ALT+TAB、ALT+ESC、CTL+ESC etc hot keys. This is to avoid user using other OS functions. When this function is activating, the minimization of the windows will not be working.

- **Show text by default:**
  Activate the function, all the opened windows will automatically show caption.

3.4 E-Mail

This e-mail function is for sending the messages, attached files or snapshots when alarm triggered to a remote site to avoid the system been destroyed and the file or snapshots will be lost. Select E-Mail at the system setup menu. The below E-mail menu will be shown.



- **Mail Server:**
  Setting of the mail server can be senders or receivers. As long as the mail can be send out and to assure the receiver can receive the mail.

- **E-Mail From:**
  Please enter the e-mail address from the sender to let the receiver knows who is sending this e-mail. (This e-mail address has to be filled in. Cannot leave as blank)

- **E-Mail To:**
  Please enter the receiver's e-mail address. And also ensure that this e-mail is valid and can receive mails to avoid delay

- **E-Mail Retry time:**
  Due to some cause that the mail cannot be delivered, **Chateau** system will keep retrying for the set times to assure the mail can be send successfully. (The default is 3 times; user can change the time of retrying.)

- **E-Mail Retry Interval:**
  The interval time for each retry. (Default is **60** second. User can make alteration to need)

- **Mail Server Authorization:**
  Parts of the mail server have authorization function to make sure whether to send the mail. If using this kind of mail server, please activate this authorization function and enter the user name and password to assure the mail can be send successfully. If the mail server does not have this authorization function, then no need to activate this function.

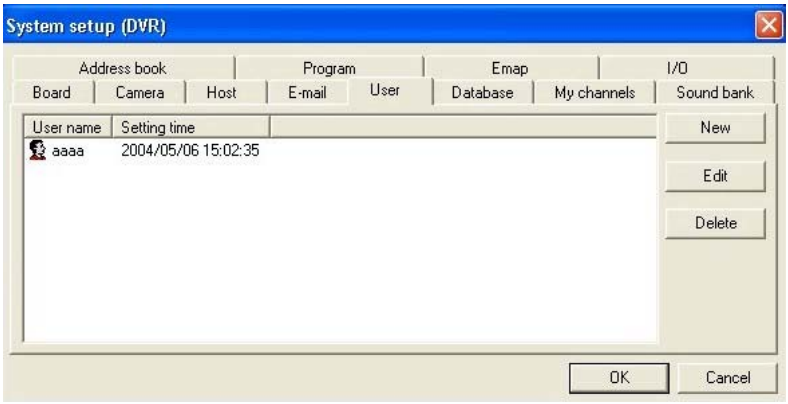
- **Camera Trigger:**
  This selection is to set for the e-mail for the camera to deliver alarm messages and its content. You have to activate the alarm function for each camera. Only the camera with the alarm function can be set here.
  - Camera Selection: Only the camera with the alarm function activate will have a square in front of the camera name for selection. Otherwise sending of messages using e-mail will not be functioned. (If only the camera is selected, e-mail will only send the alarm messages in word text).
  - Sending Image Files: V stands for **Video**, which means image files. The image files will be sending through E-mail when alarm triggered when this function is selected. (This image files saved in the alarm folder, if system is under all time recording status, then this file will have **Pre Alarm** images)
  - Sending Snapshot: P stands for **Picture**, which is a snapshot file. The snapshot will be send through e-mail when alarm triggered when this function is selected. Before this function is selected, you will need to set for the snapshot function under alarm function for the camera. Otherwise this function will not be able for selection, as no snapshots files are available. (The snapshot is saves as **BMP** format under the picture files in the database when alarm

triggered. To increase the e-mail sending speed, **Chateau** program will transform the snapshot into **JPG** format automatically when sending the e-mail.)

- **Input Trigger:**
  After this function is selected, when the alarm is triggered through the input point, the alarms messages can also be send through e-mail

3.5 User

Select **User** in the system setup menu. The following menu will be shown. The first one (The red color figure) is the **System Administrator** when activate **Chateau** program for the first time.

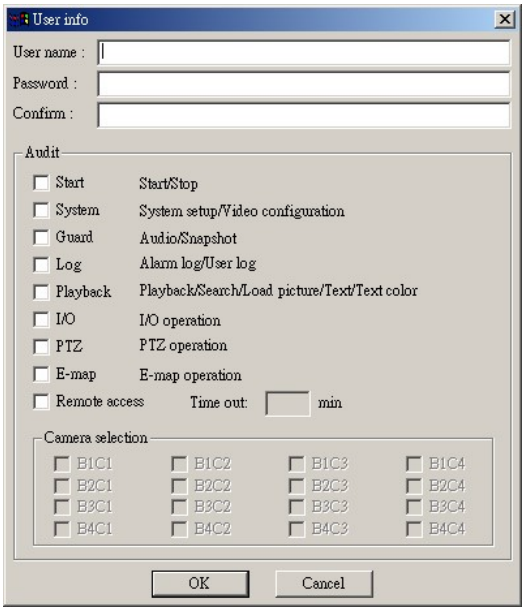


3.5.1 New User Setup

Simply select the **New** to enter the setup screen for a new user. The following User Info dialog will be popup. (Only **System Administrator** can add, delete or edit a user).

- User Info setting as below:
  - **User Name:** type a new user name into the box
  - **Password:** type the password into the box
  - **Confirm:** type the password again for reconfirmation
- Auditing is used to set up the user's access auditing as described below. You may grant one or more of the following access auditing by ticking the boxes ☐ in front of them. The access auditing is set as follows:
  - **Start:** Enables a user to access **Start Recording** and **Stop Recording** functions
  - **System:** Enables a user to access **System Setup** and **Video Configuration** functions.
  - **Guard:** Enables a user to access **Audio** and **Snapshot** functions.
  - **Log:** Enables a user to access **Alarm Log** and **User Log**.

- **Playback:** Enable user to access **Playback, Search, Load Picture, Text** and **Text** Color.
- **I/O:** Enable user to access **I/O device** control.
- **PTZ:** Enable user to control **speed dome camera**.
- **E-Map:** Enable user to access **E-Map** functions.
- **Remote Access:** Enable user to access **remote monitoring** function. Remote access time can be limited. When time is over, **Chateau** will stop transmitting files to remote site. But the connection will not be disconnected. Default is **0** means **not set**.
- **Camera Selection:** Enable user to access to the image from the authorized camera. The cameras without authorization will not be shown.



After setting is finished, click **OK** to complete it. When the user login with this user name and password next time, he/she can have only access to the granted functions.

Note: In Chateau system, user will no need to be separate into local user or remote user. Authorizations for the same login name and password will be the same.

3.5.2 Editing User

To alter user's password or access authority, select the user's name and click **Edit**.

Note: Normal users can only change its own password not the authorization access. (Only the **System Administrator** can change

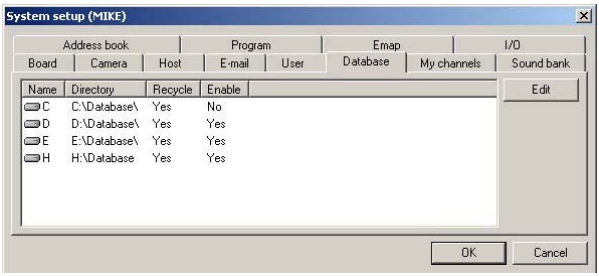
the authorization access for users).

3.5.3 Delete User

Select the user to be deleted and click the **Delete** button to delete user. (Only the **System Administrator** can delete a user)

3.6 Database Setup

This option is used to specify the directory and hard disk in which video files are stored. The screen will be as follows:

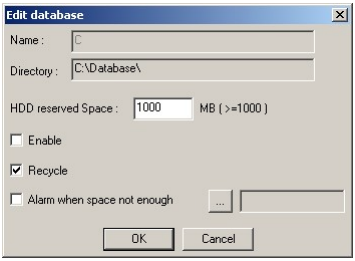


Chateau will automatically detected the number of hard disks when activated as above. It will automatically create a \Database directory in each hard disk. Database in hard disk C is defaulted as disable. **Chateau** will use other HDD in priority. This is to avoid file lost due to the disk format when Windows OS needs to be reinstalled.

Note：When system has only one hard disk C: please enable the database by clicking on the edit button. Otherwise recording can not be performed.

3.6.1 Editing a Database

Click on the Edit button for the editing of a database.



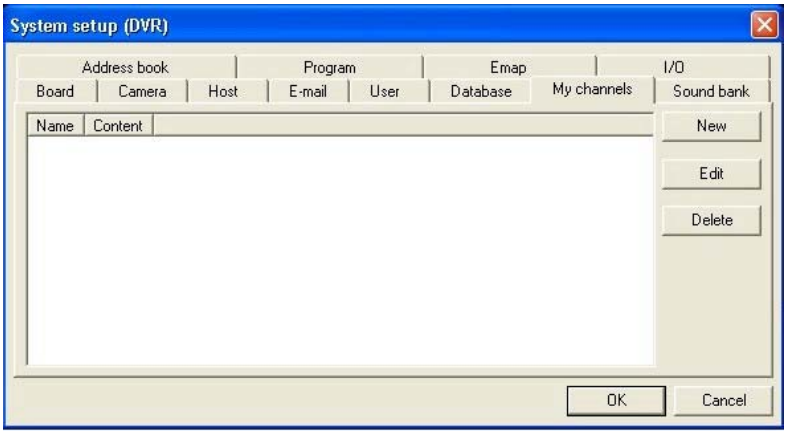
- The default-reserved space on a single hard disk drive is 1000MB. It is recommended to reserve 5 % the space as the reserved space when the hard disk size is larger than 40GB.
- If there is no tick inside the square in front of the “**Enable**”, this database will not be used for recording. And the “Enable” column will display as “**No**”.
- You may choose to recycle a hard disk; however, you need to cancel the Recycle option if the recorded image is to be kept.

- There is a function for disk full alarm. If user enables this function and selects a warning sound by pressing **...** from the alarm sound bank. When the hard disk is full, the system will play the warning sound.
- Click **OK** to finish the setup.

Note: Setup can be performed only once against each hard disk drive. Duplicate setup is not allowed. It is suggest partitioning the hard disk to avoid the database and working system sharing the same C:\ hard disk.

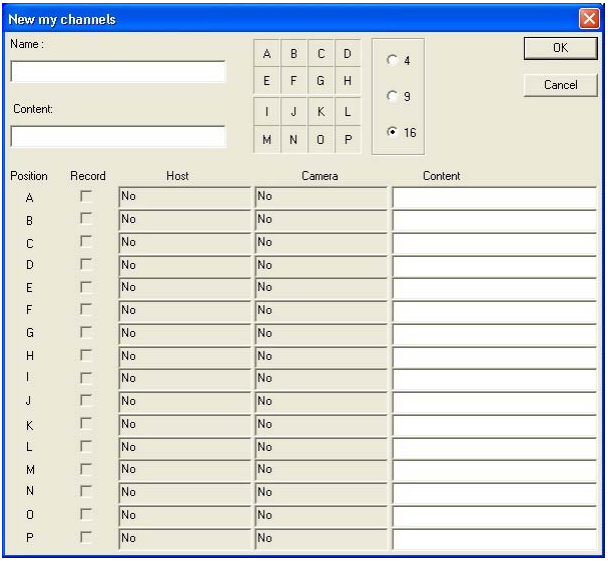
3.7 My Channels

You can select and display the cameras by your assignation from local site or remote site in one screen. Select My Channel, and the setting menu is as below:



3.7.1 New "My Channels"

Select **New** to add a **My Channels.** The "New My Channel" dialog will be pop up as below:



- **Name**: Name used to setup My channels combination
- **Content**: No function in this section
- **Split screen**: It is used to select the split screen that you want to display. (The number of the camera images), it can be distinguished into 3 combinations of 4 divisions, 9 divisions and 16 divisions. The cameras correspondence positions are different under different divisions. Please be aware of it.
  4 divisions: A, B, E and F
  9 divisions: A, B, C, E, F, G, I, J and K.
  16 divisions: All 16 positions from A-P.
- **Record**: This is to set whether the monitoring images to be recorded and saved. If the select camera is under local host, then this function cannot be selected. Whether the camera in the local host is recording can only be changed under camera setting under the local host server.
- **Host:** The entire connected host name will be shown here. Select the host name in the appointed position means to display the camera images under this host in this position. When setting, remote host have to be under connected status to be able to add in. After setting, the remote server can be under disconnecting status. At this time, when “My channels” is activated, the appointed position will be blank and shown the bottom picture.
- **Camera:** After the setting of the host, the entire camera name from the selected host will be show here. Select the camera to be monitored under this position. When the host has not been selected, then no selection will be available here.

After all settings are finish, click **OK** to add a new “My Channels” setting.

3.7.2 Edit My Channels

Select the name of the “My Channels” for editing. Click the **Edit** button to edit the appointed “My Channels”.

3.7.3 Delete My Channels

Select the name of the “My Channels” to be deleted. Click the **Delete** button to delete this “My Channels” setting.

3.7.4 My Channels operation

On the **host panel** on the right of the main screen, by clicking ▲ or ▼ button, the panel will change from host panel to “My Channels” panel as follow.

- When double clicking the “My Channels” name set (My channels function allows the setting of one or more different monitoring combinations. After giving the monitoring combination a name, all the setting combination name will be display here), the screen will then display the division images (4 divisions, 9 divisions and 16 divisions) set under the My Channels. Click the **REC** button, **Chateau** system will then remote monitoring according to the set host and cameras. Click the **Stop** button; the cameras from the remote host will be stopped.
- Whether the camera from the local host is recording or not can only be decide in the camera setting from the local host. Start and stop of the local host camera can only be controlled under host mode to avoid influence of the normally recording when stopping local and remote end cameras under “My channels” mode.
- Changing to other “My channels” setting only need to double click the left button of the mouse on the selected monitoring name. (The remote cameras from the original “My channels” will still be connected or recording, unless the stop button is clicked). The new “My channels” images will be displayed.

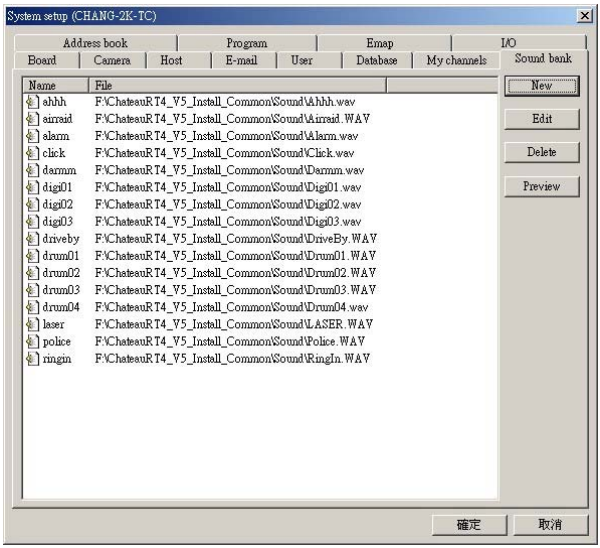
Note:

1. You will have to have the authorization from the remote host. (Please refer to Chapter 3.5 User for authorization setting).
2. Using “My Channels” mode to monitor remote cameras, its meaning and position is the same as the remote monitoring under the host mode. When you click the “**Stop**” button under

the host mode, the camera relatively to the host will be stop under My Channels mode. Whether the remote camera is still recording is depends on which mode had activated the camera every time. For example: When the camera had been set for not recording under the host mode first. Even if you preset the remote camera for recording under my channels mode, the camera will not be recording. As whether the camera is recording or not is base on the mode which firstly activate the camera. Until a stop button is click in any of the mode. Then recording or not can be decided again.

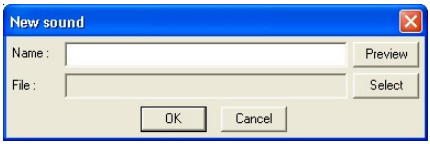
3.8 Sound Bank

Select Sound bank, the following screen will show.

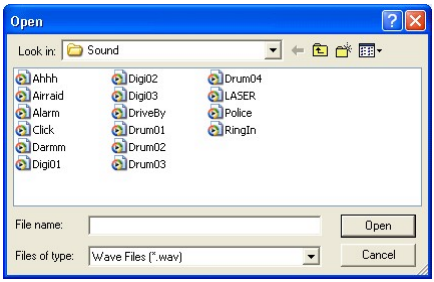


3.8.1 New Sound:

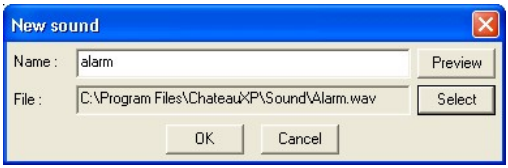
To add a new sound file, click **New** Sound and the following dialogue box will appear.



First, give a name to the sound file, and then click **Select** to choose a sound file.



After a sound file is selected, Click **Open** then it will return to the following screen.



Click **Preview** to ensure the selected file is a right one. Then Click **OK** to complete the setup.

3.8.2 Edit:

To edit a sound file, simply select the file entry and click **Edit** button.

3.8.3 Delete:

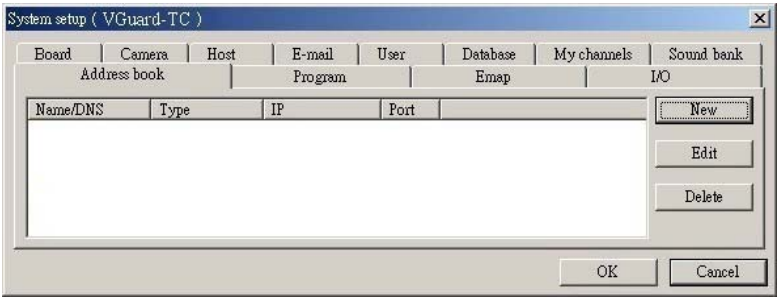
To delete a sound file, simply select the file entry and click **Delete** button. (Only the **System Administrator** can delete sound file)

3.8.4 Preview:

To pre-listen to a sound file, simply select the file entry and click **Preview** button.

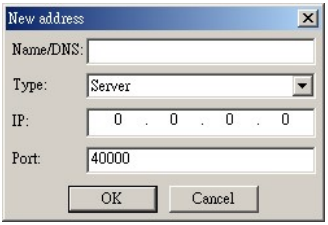
3.9 Address Book

There are three types of address book for remote: Server, PC DVR and Embedded DVR. Server provide connections for many remote hosts (PC DVR and Embedded DVR). PC DVR and Embedded DVR provides single P to P connection.

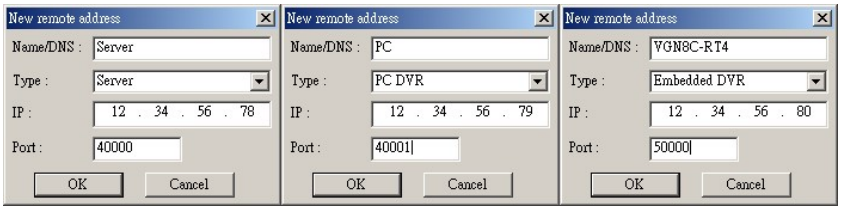


3.9.1 Adding a New Entry To Address Book:

To add a new entry to the address book, click **New** and then the following dialogue box appears.



- **New Server, PC DVR and Embedded DVR:**
  Port setting for different remote types as below:



Type:	Server	PC DVR	Embedded DVR
Port:	40000	40001	50000

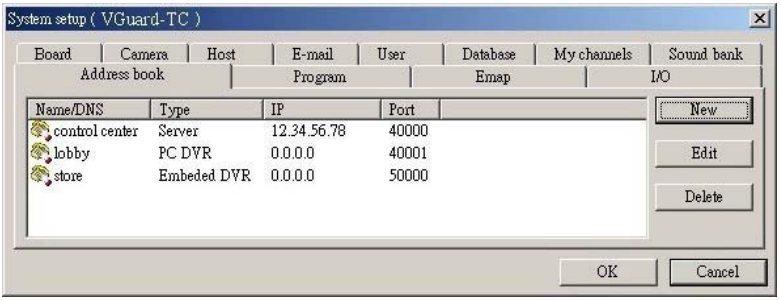
Port for server is based on the Server setup. Defaulted is 40000; PC DVR port is based on the LAN port setup for **Chateau** Software. Defaulted is 40001; Embedded DVR port is based on the LAN port setup for **VGN Embedded DVR**. Defaulted is 50000.

If the PC DVR running the **ChateauServer** program is using dail up service for Internet connection, and the Internet IP is a floating IP not fixed IP, **ChateauServer** can connect other **Chateau** hosts by DDN ways though DDNS. Users will require applying a DDNS through DDNS supplier, downloading and activating the floating IP program. DDNS address setup as below：

Insert the Domain Name apply from the DDNS website (dynamic_domain_name.ddns.com is for your reference only; you will

require to insert the name you applied). Type is “Server”, IP must be 0.0.0.0, Port is set as 40000 like normal **ChateauServer** setting.

After the setup is finished, it comes to the screen as follows:



3.9.2 Edit:

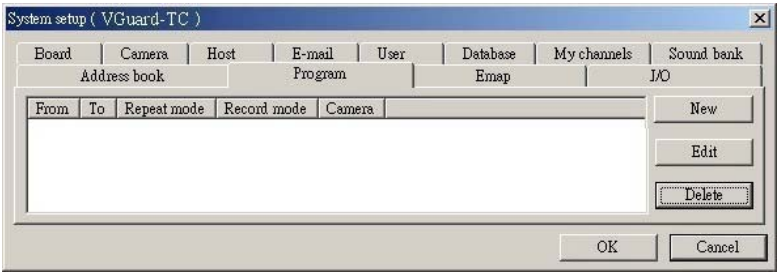
To edit an entry in the address book, click on the desired entry and then click **Edit** button; alternatively, double click on the entry that is to be edited. Then, you enter the Edit screen to perform the desired editing.

3.9.3 Delete:

To delete an entry from the address book, click on the desired entry and then click **Delete** button. The entry is then deleted. (Only the **System Administrator** can delete address book).

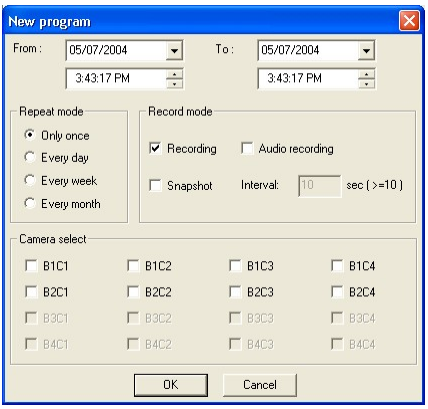
3.10 Program Setup (Scheduled Recording)

Selected the program setup menu, the following will be shown:



3.10.1 New Recording Schedule

Click **Add** and the following will show



- Please enter start date/time and end date/time into **"From"** and **"To"** fields respectively. In inputting the date/time, you may type them directly onto the fields or click the up/down arrows to the right of each one of the fields.
- Select **"Repeat Mode":** One selection only:
  - **Once Only (Only Once):** Please input the starting and ending dates/time.
  - **Once a day (Every Day):** The date fields are disabled because the option is "daily execution". Please input the starting and ending time.
  - **Once a week (Every Week)**: It is required to input the starting and ending days of the week /time. The "date" field automatically changes to "Day of the Week" when it is clicked.
  - **Once a month (Every Month):** It is required to input the starting and ending days of the day /time. The "date" field shows the day only but no year and month.

Note: If the desired schedule time crosses 12:00 is recommended to split the schedule into two, Split PM6:00:00~AM9:00:00 into PM6:00:00~PM11: 59:59 And AM12:00:00~AM9:00:00.

- **Recording Mode:**
  - **Recording:** Normal recording mode.
  - **Audio Recording:** Simultaneously audio recording with Video recording. Can only start audio recording when video recording start.
  - **Snapshot:** It makes the system take snapshots at a predetermined time interval. **Chateau** system saves the image files into a default folder named **"Picture"**.
  - **Interval:** This is the time interval for snapshots. Defaulted is at 10seconds. It is recommended not to set the interval at too short time to save some hard disk spaces.
- **Camera selection:** This is to select the required cameras for the above schedule for recording.

- When all of the schedules are set, click the **OK** to add it to the schedule list.

3.10.2 Edit Program

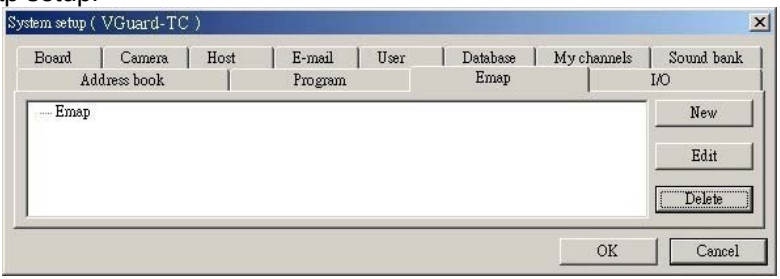
Click **Edit** or double click on the desired program for edition.

3.10.3 Deleting a recording schedule

Simply click on the desired schedule entry and then click the **Delete** button to delete the schedule. (Only the **System Administrator** can delete the recording schedule.)

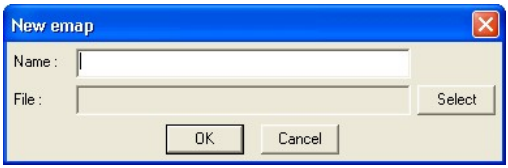
3.11 E-map

Chateau program supports e-map function for more efficiency management. The following E-map setting will be shown when enter to e-map setup.



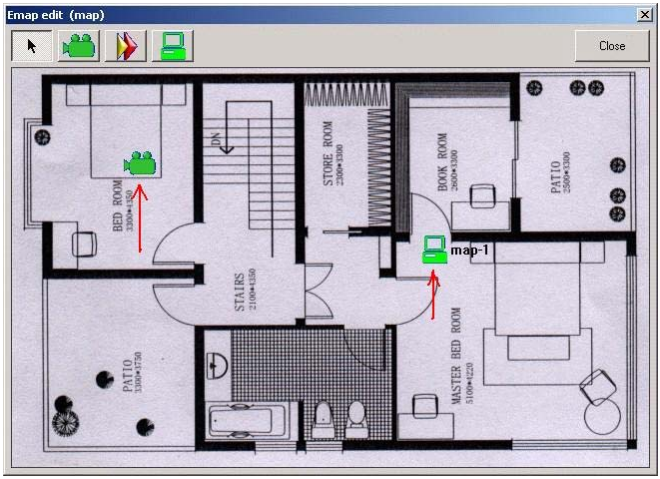
3.11.1 E-Map setting

- **Add E-map**: Click **New** button then the Add New E-Map dialog will pop up. Firstly enter a map name for easier search. (ex. 1st floor, center court etc). Then click **SELECT** to select the map file. The Map files have to be .BMP format; map files have to be **.BMP** format, the map resolution **640 x 480.**

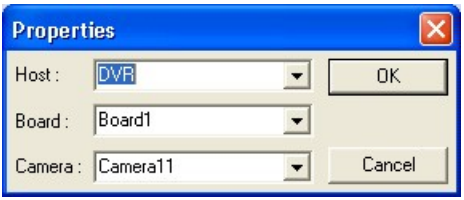


After setting click **OK** button to finish the new setting. Then the Edit E-Map dialog will pop up.

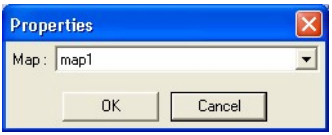
- **Edit E-Map:** Select the E-Map name for edition. Click **EDIT** button, then an Edit E-Map Dialog will pop up to edit the camera position or number in this e-map.



- **Add Camera:** To add a camera onto the map, click button on the left upper corner; the cursor then turns to "＋", Move the cursor to the desired position and then click left button of mouse to finish the camera location setup. As illustrated above, the red arrow points to the newly added camera. After setting, the Camera Properties dialog will pop up.
- **Camera Selection:** Double click the camera properties dialog will pop up as below. You can then setup the desired Host name, **VGuard** card and Camera number. Click **OK** to combine camera with E-Map.

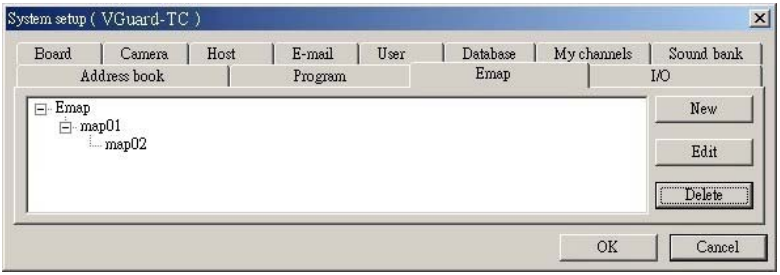


- **Level Setting:** Select the button on the left upper corner to add the level button on the map. The cursor then turns to "＋", Move the cursor to the desired level button position and then click left button to finish the button location setup. After setup, the map level property dialog will pop up.
- **Map Level Selection:** Double click on the level button, and then it is to establish the next e-map correspondence with this e-map position. In this way, you may combine this e-map with the next e-map. This function can combine e-maps to become a multi level e-map structure.



- **Host setting:** If the cameras belong to the same host, by clicking the icon you can create a map for this host. Setting is the save as the level setting above.

Note: To set the next level e-ma, you have to setup that level's e-map first. Click **Add** button at the last level e-map name to select the next level e-map. Please refer to **Add new e-map** to finish the setting. The following menu will show:

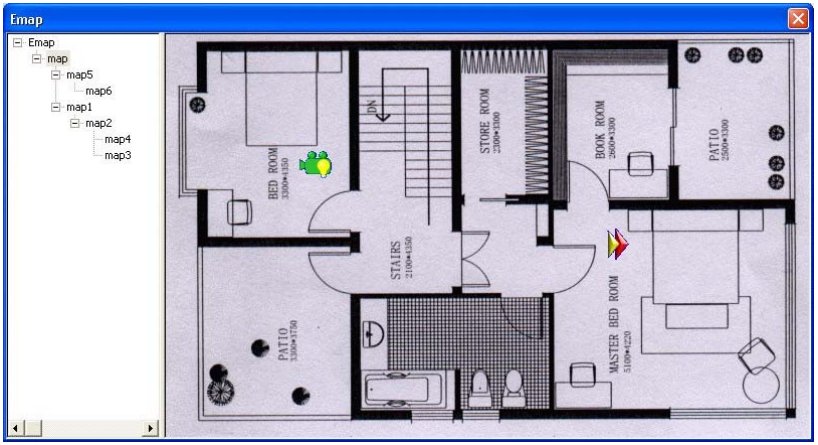


It is suggest setup all tree type e-map setting before you edit the correspondence camera position and number to the e-map.

- **Delete E-Map:** To delete a camera entry from the list, click on the desired entry and then click **Delete** button. The camera entry then is deleted.
- **Close E-Map:** Click **Close** to exit the E-map Setup function.

3.11.2 E-map Operations

Click from the **setup functional panel**, the following E-Map dialog will be show. Double click on the camera logo on e-map. It will switch to the main picture of the correspondence recording host. The camera that the camera logo correspondence to will have points to. Click the right button of the mouse to the selected camera will see the camera's properties. Click the right button of the mouse to the level button will see the level's properties. Double Click will jump back to the host's recording display.



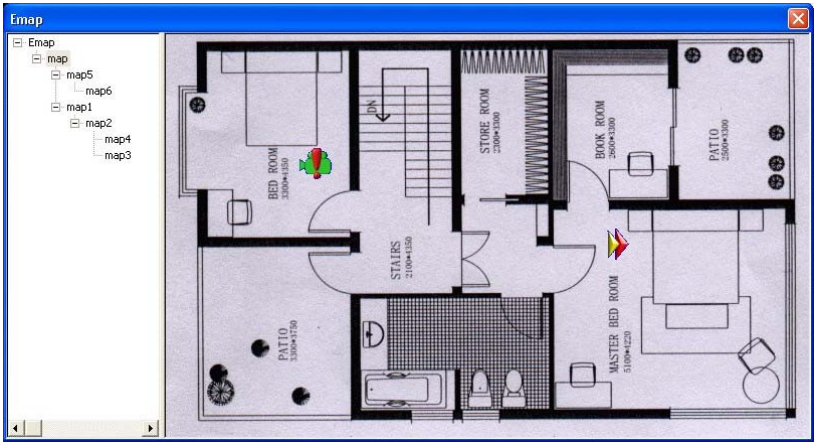
As shown on the left hand side of the above picture, this tree form graph is to select the e-maps for different level when there are 2 or more e-maps.

Camera Logo explanation:

- (Grey Camera, light on) indicates that the camera is **recording**.
- (Grey Camera, Light off) indicates that the camera is **idle**.
- (Grey Camera and a Stop sign) it indicates that there might be faulty setting for host name, Board ID, or camera ID. If it happens in the remote monitoring mode, it indicates that the host name was not the same with the remote **Chateau** system or not yet connected with the **Chateau** system.
- (Green Camera, Light on) it indicates that the selected or correspondence camera is **recording**.
- (Green Camera, Light Off) it indicates that the selected or correspondence camera is **idle**.
- (Exclamation mark) it indicates that the alarmed is triggered.

3.11.3 E-map and Alarm

In addition to the preset alarm functions (Refer to Chapter 6: Alarms for detailed descriptions), as a recording camera activates alarm function and an alarm is triggered, click button and it will come to the following screen:



As illustrated above, icon denotes a camera triggering an alarm. Thus, it is easy to locate the alarming camera on the e-map and be taken care speedily.

3.12 I/O Devices

Please refer to Chapter 7 I/O Device for more detail.

Chapter 4: Recording

After a user finished camera setup, the recording can be activated. When clicking the recording button, system will activate video and audio recording preset by the user as follow.

4.1 Recording Windows

: This icon shows the selected camera. Click on the selected camera, this icon will be shown on the Top right hand side of the selected cameras display. The correspondences cameras will be shown with this icon when under PTZ controls.

: This icon shows that the camera is under “Schedule Recording” Status.

: This icon shows that the camera is under “Alarm Triggered”.

: This icon shows that the camera is under “Recording” Status. The icon will not be shown when the camera is under “Monitoring only” mode.

: This icon shows that “Live Audio playback” is available with the selected camera. You will have to activate the “Live audio” function from “Host” setup and audio recording function from the “Camera”

setup.

4.1.1 Start Recording of Cameras

You may open all of the windows and start recording of all cameras by clicking the button.

4.1.2 Stop Recording of Cameras

You may close all the windows and stop recording of all cameras by clicking the button.

4.1.3 Camera Status Display

The above screens indicates when the camera in not recording yet and is still idle; the camera is working, but the view is not displayed (recording still normally working); and the camera is not connected.

Note: **Chateau** program version does not support for each camera to activate and inactivate recording individually. All cameras need to be activated and inactivate at the same time.

4.2 Image Function Button:

4.2.1 Caption

Click the in the system status area to display camera name, start recording time and current time like below:

Please click the button to cancel the caption of camera.

4.2.2 Caption color

You may change the color of the caption of the selected camera by clicking button; the following window then appears; select the desired color and then click the **OK** button. The setting then finishes.

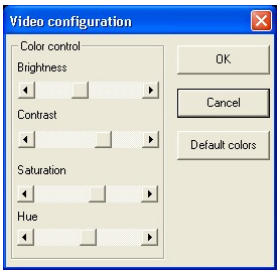
4.2.3 Unmask Motion Detection Area

By pressing the button in the status panel lets you cancel all of the motion detection areas of the designated camera.

4.2.4 Snapshot

This button lets you capture still images during recording. (This function works only when cameras are turned on.) Images are saved as JPG file format. The system will automatically name the file and save in the database or in the file path by the setting in the host. Please refer to Chapter 5.3 Load Snapshot/Print Snapshot for more detail.

4.2.5 Video Configuration



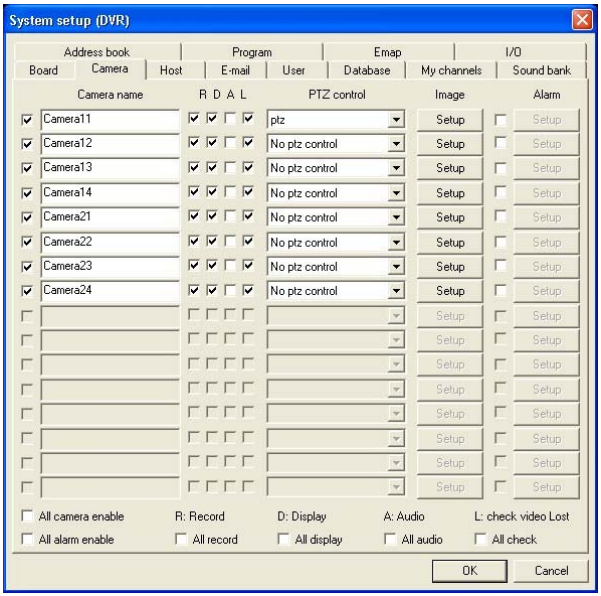
This button lets you change the video configuration of a camera. Click the button in system status panel. The video configuration dialog will pop up like the left hand side. Simply drag the respective buttons to adjust the image's brightness, contrast, saturation and hue. To return to the system default settings, click the **Default Colors** button.

4.3 Recording Setup

To preset the recording function before camera activated. Please refer to the following for more details.

4.3.1 Camera Setup

You need to preset the camera function before activate recording like below.

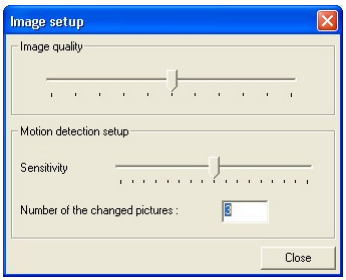


Every cameras have the same optional and functional settings. Each setting is detailed as follow..

- **Camera function setup**
  - **Enable Camera:** The image will only be shown relatively in the image section when this function for each camera ticked. It also means the activate of the camera.
  - **Enable recording (R):** Select this function to activate camera recording. If not chosen, the camera will be under monitoring mode. It only display image not recording.
  - **Display image (D):** The image will only be displayed when this function is selected. If not selected, the image will not be shown. But if the recording function is activated, it will not be affected. (It will display “working”)
  - **Enable Audio recording (A):** When the function is selected, the recording of the audio will be activated when video recording is activated.
  - **Check video lost (L):** Every camera has its independent check function of video lost. When the option is selected, any reason that makes the camera lost the signal may trigger the alarm function.
    Noted: Enable alarm option must be selected and setup for this function to activated.
  - **Enable Alarm:** Selected this function to enable the alarm function. After it is enable, the alarm setup can be done by pressing the button on the right hand side. (After enable the alarm and finish the setup procedure,

together with the Motion Detection setup to finish setting up of the alarm detection function).

- **Camera Name Setup:**
  A user can set the camera name for easier access and search. When an alarm is triggered, the area can be found promptly.
- **PTZ control select**
  When a PTZ camera or speed dome camera is connected, you will be able to control up, down, left, right, zoon in and zoom out of the camera. After the camera setting (Refer to **I/O Device Setup**), a setup of the PTZ control correctly is essential to be able to control the camera to rotate, zoom in and zoom out correspondent correctly from the **PTZ Control Panel**
- **Image Setup:**
  Click the "**Setup**" button; the Image setup dialog will pop up as below:



- **Image Quality:** This function lets you adjust the image quality. By clicking the left button of mouse and hold and drag it down to the left or the right to the desired quality. High image quality means low compression ratio (i.e. a larger video file sizes); by contrast, low image quality means high compression ratio (i.e. a smaller video file size).
- **Sensitivity**: It lets you adjust the sensitivity of alarm triggering depending on different operating environment, e.g. the quality of camera, distance, lightness, background lightness and object size.

Note: High sensitivity may cause false alarms as well as increases the amount of data generated by recording. In adjusting the sensitivity, it is recommended to take the camera quality and the surrounding environment conditions into account in order to avoid false alarms.

- **Number of the changed picture:** Alarm will be triggered only if the number of variations occurred to continuous images exceeds default limit. You may adjust this limit to avoid false alarms.

4.3.2 Camera display Mode:

There are four camera display modes:

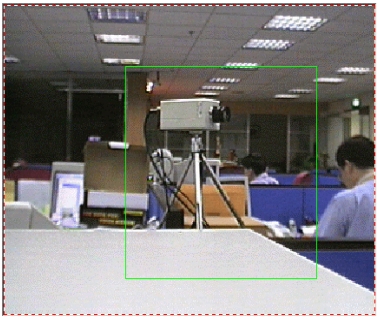
1. Monitoring and Recording (Display camera images): Activate recording options and display image options.
2. Monitoring but not Recording (Display camera images): Inactivate recording options and open display view options.
3. Recording but not Monitoring (Display Working): Activate recording options and close display image options.
4. Not recording and not monitoring (Display Working): Inactivate both recording options and display image options.

When the “Recording” mode is turned on, the System Status panel is shown as VIDEO. When the recording mode is turned off, the System Status panel will not been shown.

Audio recording will be activated at the same time when the indicated camera starts recording when the “Enable audio” mode is turned on. System Status panel is shown as AUDIO. When the mode is turned off, the System Status panel will not been shown.

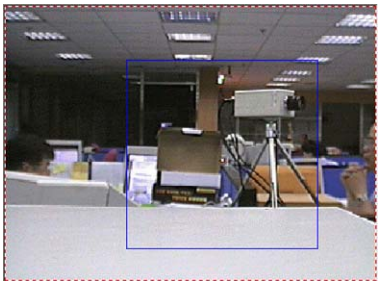
4.3.3 Motion Detection Setup

During recording, if you select a motion detection area (by clicking on the original point, holding the left button of the mouse, dragging it to the desired point, and then releasing the button.), the system then undertakes motion detection against the selected area. There is a limit of 5 mask area can be set for motion detection. Only System Administrator can see, setup and delete motion detection area.



The mask area in the photo on the left is the motion detection area. The green color frame means that no alarm is triggered.

In the left photo, the detection area is shown in red color, to mean that an alarm is triggered. (Enable Alarms of the Alarm Setup option on the Camera Setup screen must be enabled before alarm triggering can work for the motion detection area.)



The detection area in the photo on the left is shown in blue color, to mean that alarms are triggered but Enable Alarms of the Alarm Setup option in the Camera Setup screen is not enabled.)

4.3.4 PTZ control select

This option lets you select PTZ control device. By clicking **Select** button, the following PTZ control setup window for **Chateau** System prompts. (Provided that camera name, type and address in the **I/O Device** window on the System functional section must be set up in advance.) Then, click the desired PTZ control device entry.

4.3.5 Alarm setup

By clicking Enable Alarm then click **Setup** **Chateau** System will enter Alarm setup. Please refer to Chapter 6: Alarms for more detail.

4.4 Preview

During recording, a user needs to preview image certain time; select the desire camera under recording window. Click the right button of the mouse, and select **Preview**. The following will show:

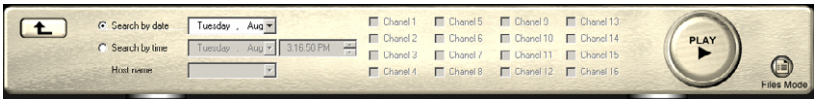
Input the time needed for preview, (The time at the right hand side is the time which you select this function). Time range for preview is **1~99** minutes.
If there is no recorded image in the preview time set, the system will automatically search for the earliest file for playback in the time range. When there is no valid recorded file saved due to the short recording time, or when there is not file in the appointed time, an invalided message will be shown.
While remote monitoring and recorded, because the image will be saved in the remote system's database, so the preview function is still available. Operation is as same as local host. When the selection of not recording while remote monitoring is selected, then this function will not be available.

Chapter 5: Playback

In the following description, you will be able to find the saved video file and load picture function as follow.

5.1 Video Playback

Click button. The **system function panel** will switch to the playback function panel:



You can search for the video files you want to playback, but you will need to input the Host ID and the search option.

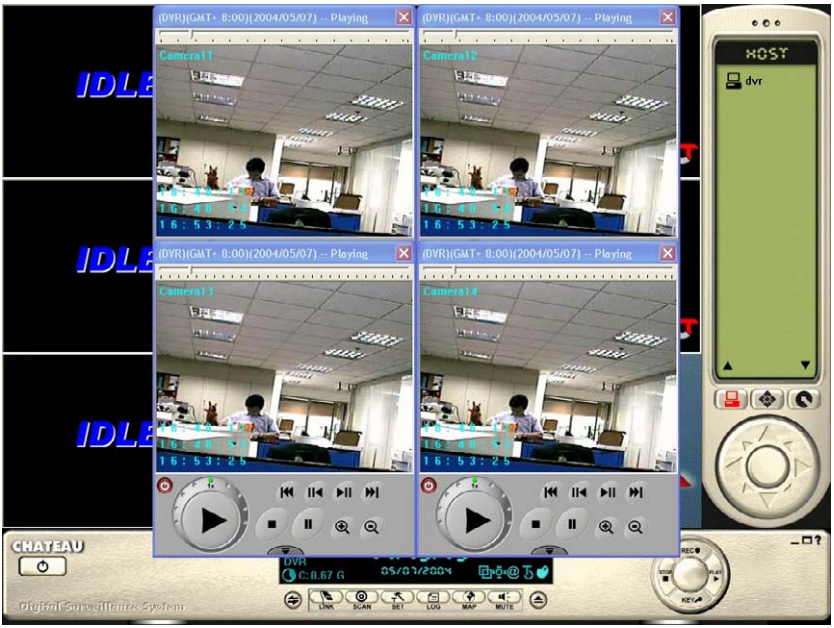
5.1.1 Parameter Mode

- **Search By Date:**
  To search for video files by date (including year, month and day).
- **Search By Time:**
  To search for video files by the start/end date and time (including year, month, day, AM/PM, hour, minute and seconds)
- **Search By Host name:**

  Searching of the host name include the host name itself and the connected remote hosts. （Searchable vieo files is the files save in HDD, include the recorded files saved from the local system, file saved during remote monitoring, but not include the recorded files saved in the HDD for the remote system）.
- **Search By Camera:**
  Only the cameras which had saved video files can be selected. If no files in it, then it can't be selected.

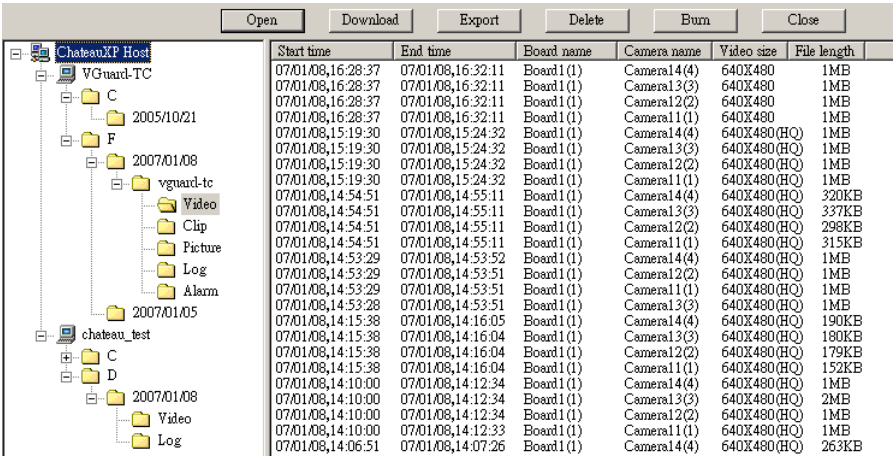
  Note: Maximum of 4 cameras can be chosen in one time. You need to play the files chosen to be able to select another 4 cameras needed. You do not need to exit the played file to have more than 4 cameras playing at the same time.

After selecting the searching parameters, click the **Play** button to play. Below picture is showing you the playback of 4 files at once.



5.1.2 File Mode

Clicking the File Mode button on the Playback Panel the following screen will be shown.



The screen will be divided into left and right sections. The left display the saved video images in the files. The right displays the saved video images. It contains continuously and snapshot images. Both kinds of video can be played by this playback function.

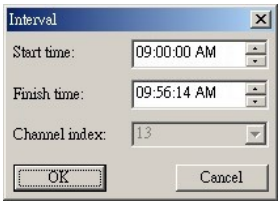
In the file mode, you will be able to find the level structures in the database. The levels are as follow.

- **Host:** The top level is the host name. Exclude its own host name, it also include the connected host name. A user will not be able to see the connected host name if access not allowed.
- **Database:** The second level is the database. The name and the files name are set in the database setup.
- **Date:** The third level is the date file. **Chateau** saved the video files in one date file everyday. Not only for easier search, but also to delete one date's file at a time for circulated recording when a hard disk had not enough spaces.
- **Host Name:** The fourth level still uses the name of the host. This host name is the host where the saved files are from. A local host name means that a local host saves the files. If the host name is not a local host name, it means that the files are saved from other **Chateau** host when doing monitoring.
- **File:** The fifth level consists of three achieve names, **Video**, **Clip**, **Picture**, **Log** and **Alarm** 5 kinds. Continuously images are saved in the video files. Clip saves the video cut. Picture saves the snapshot. Log saves the alarm/user log, and alarm saves the image files when alarm triggered.

When you find the file you desire from the left side of the screen, double click the mouse or the right button of the mouse to open the archive from the right side of the screen to play the chosen images.

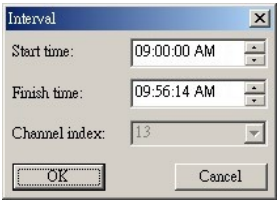
Note: Playback of the camera files is limited by user's authorization. User will only be able to see the recorded files that are authorized to monitor; other recorded files will not be shown on the list. Please refer to user setting for authorization setup.

- **Open File:**
  In the file mode, 4 images can be played simultaneously by click on the **Open** to open the archives. If the file open is the recorded file from remote database, the time selection dialogue will appear as below, select the time starts and end for playback. If the file opened is the Embedded DVR file, you will require selecting camera number. This function will not save files.

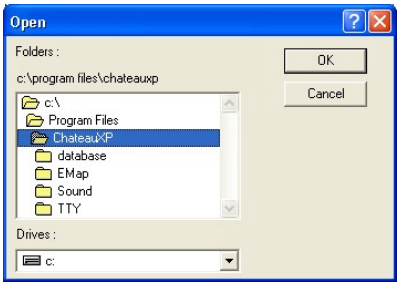


- **Download:**
  Select the recorded files from the connected host database and click Download button. Then the file can be downloaded to the local site database. A directory will be created in the file record date from the local site database according to the name of the

DVR for the file downloaded. Downloaded files will be saved inside the directory. Selection of the recorded file from the remote database, the time selection dialogue will appear as below, select the time starts and end for playback. If the file opened is the Embedded DVR file, you will require selecting camera number. This function will not save files.



- **Export:**



Selected the file need to be exported. Click the right button of the mouse and chose **Export** function. The following screen will be shown. Select the Folder then press **OK** to export the file to the specified file path

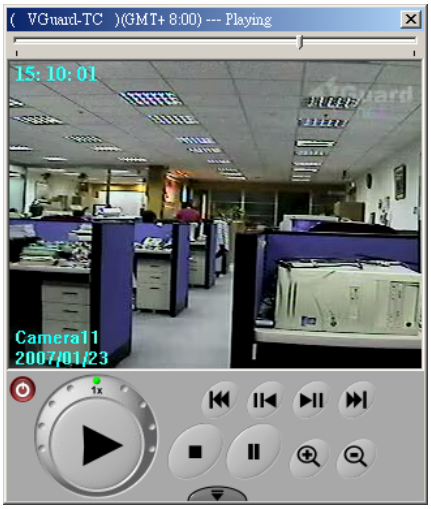
- **Delete:**
  Simply click the right button of the mouse and select Delete to delete a video file. (Only System Administrator can delete a video file).

- **CD/DVD Backup (Burn):**
  If your system is installed with Nero Burning program, you will be able to use this **CD/DVD Backup** function. You will be able to select the file under file mode and burn/backup to CD/DVD. (Supports CDR, DVD+/-R, or DVD+/-RW). It also supports multiple burning functions to the unclosed disk. Select the require file and click burn button. If **VG Player** is installed, we will automatically add this program into the disk.
  Chateau products only use **Nero's SDK** to support this burning function into our program. Our products does not include **Nero** software and authorization uses. User will require installing legal **Nero** version software for this function to work smoothly. If you do not installed with a Nero Software, please contact your nearest dealer or service department or their website: www.nero.com

- **Close:**
  Click **Close** to exit the file mode.

5.2 Video File Playback

By double-clicking on the desired file in the video file area, you can playback the video file as illustrated in the following window.



The playback window consists of four parts, including

- **Message area:** It includes the relevant information such as host name, time zone and operating status.

  - Host Name and Time Zone
  - Operating Status: All operating status includes “**playing**” or “**pause**” etc.

- **Video Playback image:** It includes the information such as time, **VGuard** card names and camera names.

- **Playback Time Scroll Bar:** This displays the relative time position of the current display in the video file. You may speed up the playback by dragging the time pointer using mouse or by the functional buttons,

- **Playback control panel:** It consists of basic function control panel and the extended functional control panel. And when pressing the button, the extended functional control panel will be shown as below. Press the button to hide this extended functional control panel.

Each playback function button is described as follow:

5.2.1 Play

This button functions the same as Play button of traditional video player. When clicking this button during fast or slow playback, the playback speed returns to normal.

5.2.2 Stop

This is to stop the current playback not the playback window.

5.2.3 Pause

This button functions the same as Pause button of traditional video player. By clicking this button during playback, the playback pauses. To continue the playback, re-click this button or playback button.

5.2.4 Backward Search

This button function the same as the Rewind button of traditional video player. Click this button, and the video will move backward for a number of frames (**160 frames**).

5.2.5 Forward Search

This button functions the same as the Forward button of traditional video player. Click this button, and the video moves forward for a number of frames (**160 frames**).

5.2.6 Backward with single Image

When this button is clicked, the video will moves backward for a single image each time. The image will be hold until play button is clicked. Then the playback speed will be back to normal.

5.2.7 Forward with single Image

When this button is clicked, the video will moves forward for a single image each time. The image will be hold until play button is clicked. Then the playback speed will be back to normal.

5.2.8 Zoom In and Partial Zoom In

You may click the button to enlarge an image from its current size. Each click will enlarge the size by **25%**; and click it again to further enlarge it by another **25%**; and so on up to the **100%**.

5.2.9 Zoom Out

You may click the button to reduce an image from its current size by

25%; and click it again to further reduce it by another **25%**; and so on down to **50%**.

5.2.10 Start Video Clip

Click this button during video playback, and the video cutting will begin. The record time will become the start of the video cut.

5.2.11 End Video Clip

Click this button during video playback, and the video cutting will end. The time will become the end of the video cut.

5.2.12 Save the Video Clip

Click on this button, and it will be saved under the Clip folder in that particular date or by the designated directory set in Host setup.

5.2.13 Playback clip

After video is cut, you may playback the cut video by clicking this button.

5.2.14 Snapshot

By clicking this button, you may capture still images during video playback. If there is caption text on the video, the captured images will contain the caption text information. The captured image is stored in JPG format. (File name will be forms automatically or by the designated directory set in Host setup.)

5.2.15 Caption

Click this button, the playback window shows the name of the camera, the starting time, ending time and current time for recording

5.2.16 Caption Color

Click this button; the user can change the color of the caption.

5.2.17 Burn

If your system is installed with Nero Burning program, you will be able to use this **CD/DVD Backup (Burn)** function. You will be able to select the file under file mode and backup to CD/DVD. (Supports CDR, DVD+/-R, or DVD+/-RW). It also supports multiple burning functions to the unclosed disk.

5.2.18 End

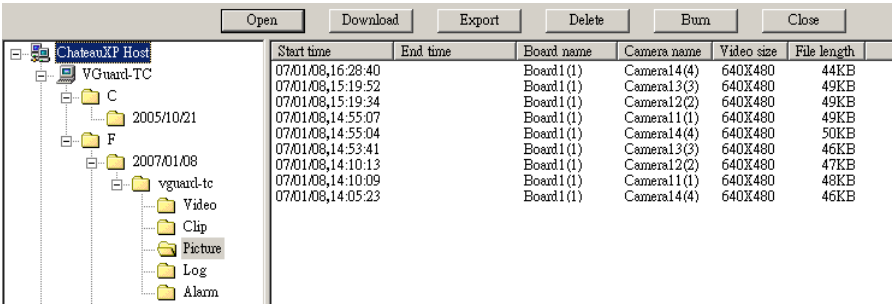
Click the button to stop the playback function and to close the playback window.

5.2.19 Fast playback and slow playback

Left is the control panel for playback speed. The middle is playing at the speed of 1x. By clicking to each point to the right, the speed will increase from **x2, x4**, High Speed and Extra High Speed. And by clicking each point to the left, the speed will playback at a speed of **1/2, 1/4, 1/6**, and **1/8**.

5.3 Load Snapshot / Print Snapshot

The snapshot files captured during recording, playback or alarm can be view using this option. Firstly click the **file mode** on the right hand bottom side of the **playback panel**. The following will be show. Select the date and recording host name for the desired snapshots, and select the **Picture** directory, then the snapshot files will be shown on the right hand side.



Double click on that file to open the snapshot dialog.

- **Zoom In:** Click the button to enlarge the picture.
- **Zoom Out:** Click the button to reduce the picture.
- **Print:** Click the button to print out the picture chosen. (Printer driver setup is necessary before using this function)

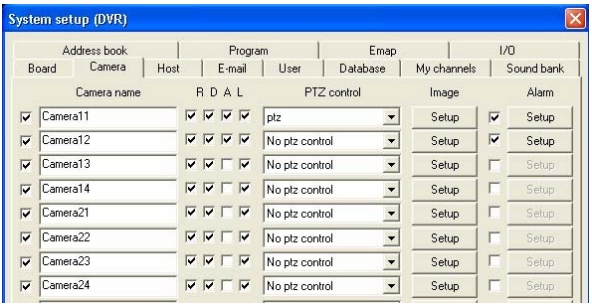
Chapter 6: Alarms

Chateau system's alarm functions are categorized, by way of triggering, into three types as follows:

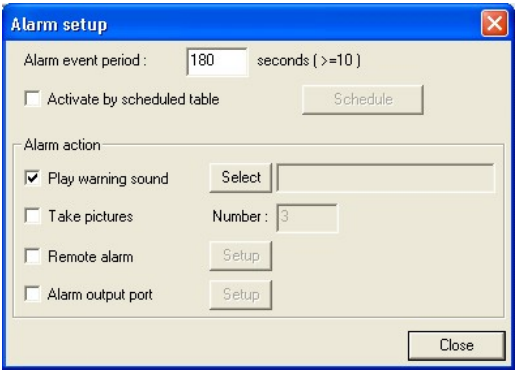
1. Triggered by image alteration in motion detection area.
2. Triggered by “Video lost”.
3. Triggered by (sensor) signal from the input port (please refer to Chapter 7: IO Device for more information.)

6.1 Alarm Setup

Each camera has its own independent alarm setting. You can find the related activation options and setting buttons in Camera Setup dialogue window on the **Camera** Setup Section.



You need to tick enable of the alarm in the alarm setup before you can setup the alarm. By click the **Setup** button to enter into the alarm setup window.



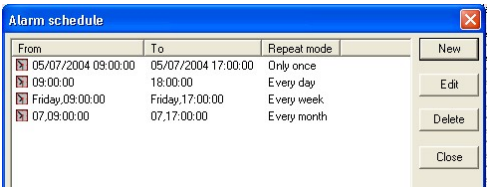
6.1.1 Alarm Event Period

This is to set the length of time that an alarm will last. No new alarm will be triggered during this duration. The default value is **180** seconds. The minimum is **10** seconds. It is recommended to set the value for more than **60** seconds.

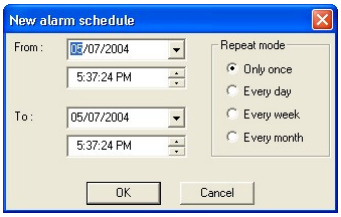
6.1.2 Activate condition

You may activate alarm functions by a predefined **Schedule** table. After you select Activate by schedule table and click the **Schedule**

button, the following Schedule window displays.



- **Adding a new alarm schedule:**



Click the **New** button to add a new schedule. There are four repeat modes with alarm schedule: **Only Once**, **Every day**, **Every Week** and **Every month**. First, select the desired repeat mode. Then, input start/end day (week) and time into the boxes to the right of "From" and "To" fields. You may input directly or click the arrows to the right of the fields, and click **OK** button to add a schedule to the list.

Note: If the time to be set crosses 12:00 of the midnight, it is recommended to split the schedule into two, e.g. Split PM6:00:00~AM9:00:00 into "PM6:00:00~PM11:59:59" and"AM12:00:00~AM9:00:00".

- **Editing the schedule:**
  Click the desired schedule and click the **Edit** button or double click the mouse to edit the schedule.

- **Deleting a schedule:**
  Click the desired schedule and click the **Delete** button to delete a schedule. (Only the **System Administrator** can delete a schedule).

- **Closing the schedule window:**
  Click **Close** button to exit the window.

6.1.3 Alarm Actions

The alarm actions can be separate into **Local Alarm** and **Remote Alarm**. Listed below are four items:

- **Playing alarm sound:** This is local alarm. When this is enabled, **Chateau** System will play the assigned alarm sound file when alarm triggered. Select this option and click **Select** button, the Alarm sound file dialog will pop up. Select the wanted sound files and click **OK**. The name of the sound file will be display on the playback column to finish the alarm sound file selection.

- **Snapshot:** This is local alarm. When this is enabled, **Chateau** System will snapshoot the image when alarm triggered. The

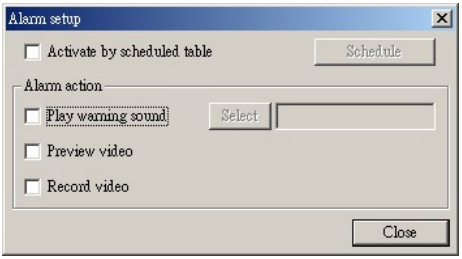
Snapshot pictures will be saved under **Picture** directory on the alarm date.
Select this option and you can enter the continuously snapshot number and picture number.
Note: Enable this functions might share lots of hard disk spaces. Please be aware.

- **Remote Alarm:** After activated of this function, **Chateau** System will be able to send alarmed messages to remote site. If not activated, remote site will not be able to receive any alarmed messages. Please refer to Chapter 6.2 Setup for receiving DVR remote warning for more information.
- **Active the output device:** This is local alarm. Enable this option, **Chateau** system can control the local site output device when alarm triggered. Ex. Alarm bells, switch gear.
  Select this option, click the setup button and the **Setting Output control panel** dialog will pop up for setting the output device. Please refer to Chapter 7: I/O Device for more information.

6.2 Setup for receiving DVR remote warning

To receive the remote warning, you will require a certain setting on the **Chateau** Host.

Firstly you will need to connect the alarm source PC DVR or alarm source embedded DVR with the system receiving the remote warning. On the receiving warning **Chateau** System, double click the left button of the mouse on the host list and switch the remote images to the alarm source PC DVR or alarm source embedded DVR. Click Setup button into the Board and Camera pages, into the Camera pages. Activate the certain alarm setting and enter the alarm setup dialogue as below.



- **Activate by Schedule Table:** Receiving the warning or not from DVR can depends on the set schedule. Please refer to Chapter 6.1.2 Activate condition for more information.
- **Play Warning Sound:** Activate this function, when the alarm source system alarmed, **Chateau** system will play the selected sound file.

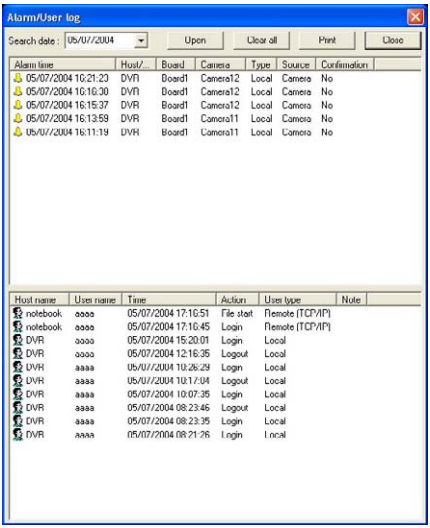
Select this function and click the select button, then the sound selection dialogue will be popped up. Select the needed sound file and click the OK button. Sound file name will be appearing after the option to finish the file selection.

- **Preview Video:** When activated, **Chateau** System will start remote the cameras of the DVR when alarmed. Files will not be recorded if preview video is selected. Alarm time is depending on the setup of the alarm source DVR.
- **Record Video:** You can only select the record video after you select the preview video selection. Activated this function then the **Chateau** System will start recording the cameras. Alarm time is depending on the setup of the alarm source DVR.

At last, you will need to activate the “Auto Access Alarmed DVR” function in the **Chateau** system host setup pages for the receiving alarm system. And enter a user name and password to login the alarm source host.

6.3 Alarm/User Log

You can find the **Alarm/User log** button in the **Setup functional Panel** in the **System Function section**. The Alarm/User log dialog is as below:



When the local **Chateau** System’s alarm is triggered or an alarm is received from the remote end, these alarms will be logged to the alarm log in the order of occurrence time. The **log** sheet (table) will display the alarm time (occurrence time), the name of the host that triggers the alarm, **VGuard** board name and camera name, alarm type (i.e. local or remote), and the way the alarm is triggered, i.e. by intrusion into the motion detection area (**Camera**), by **video lost**, or by the signal received from the **input port**.

The confirmation section in the alarm log indicates when the alarm video is played; the confirmation section will change from “**No**” to “**Yes**”. This means that the alarm log has been checked. Click **Open** button to play the alarm video of the selected alarm log entry; or directly double click on the desired alarm log entry to play its recorded alarm video. If no video file exists, then nothing will happen.

The **System Administrator** can click **Delete** by clicking the right mouse button to delete an alarm log entry. Click **Delete all** to delete all of the alarm log entries.

Click **Print** button to print out the alarm log. The alarm log will be deleting by recycling with the video files. If user wants to keep the alarm log, it is recommended to print it out.

When local or remote host triggers the alarm**,** the host icon will be changed. Click the alarmed “Host”; the icon will back to normal.

Chapter 7: I/O Device

I/O device can be generally divided into these categories as follows:

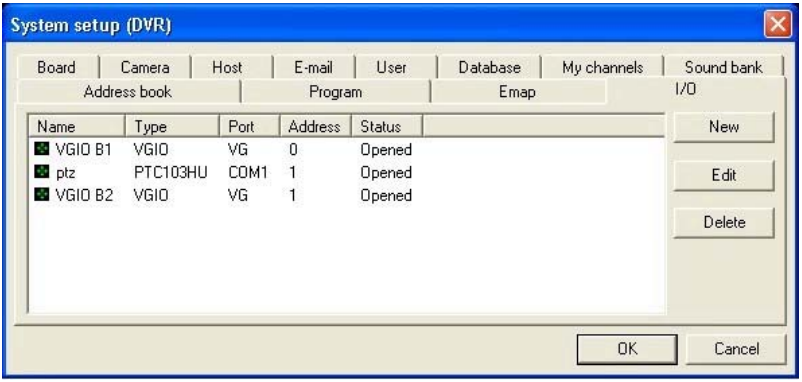
- RS232-to-RS485 interface I/O control device. It controls an external

I/O device.
- RS232-to-RS485 interface (high speed) dome camera control.
- VGIO on **VGuard** card controls input/output device and watchdog.

Its operation is divided into I/O Control and Camera PTZ control.

7.1 I/O Device Setup

Click System Setup from the Setup Functional Panel, the system setup menu will pop up. Select I/O device and the following menu will show:



7.1.1 Selecting the desired I/O device

- **RS232/RS485 interface I/O device:**
  We support PT811 input device. 8 ON/OFF inputs, 8 digital output modules; address range: 0x01-0xFF. PT811's address shall be set before the delivery of goods is made; otherwise you shall seek the manufacturer for required hardware and software support. Each PT-811's address must be different from that of any other PT-811 on the same COM port to avoid error in control. Allow connection of 32 external I/O modules within distance of 1.2 kilometer. Depend on the loading situation, the connecting distance and numbers will be different.

- **Speed Dome Camera:**
  This system can simultaneously control up to 16 dome cameras. Since a control command is sent out by signals of RS-485 interfaces to all cameras, a camera shall adjust its address in order to identify whether it can receive the command. Therefore, you must remember a camera's address and its setup location so as to make a correct setting and avoid any error in control. The camera brands that we support are as follow.
  - DynaColor CA720 speed dome camera
  - Lilin PIH717X speed dome camera
  - Pelco-D or Pelco-P dome speed dome camera

- Mikami PTC103A speed dome camera
- Sensormatic speed dome camera (RS422 Interface)
- Philip CSS speed dome camera (Require Philip's own RS232-485 converter. Other converter might not be able to connected and control Philip's camera)
- SamSung speed dome camera
- Panasonic WV_CS850 speed dome camera

The addresses range for each speed dome camera was different, please refer to its user's manual for address setting and control signal connection details.

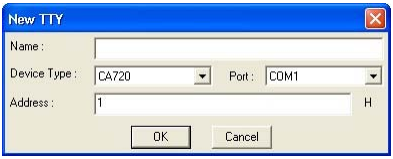
The control code of each manufacturer is different and incompatible to those of others. Do not mix-use different vendors' devices on a same COM port. The address of each device on the same COM port must be unique (different from each other). Please input the address in **hexadecimal** format to avoid any control error.

- **VGIO**

  VGuard boards' VGIO provides with 8 digital inputs, 8 digital output and watchdog functions.

7.1.2 Adding an I/O device

Click the **New** button to add an I/O device as follow.



Devices can be separate into two types, IO devices and PTZ camera, please setup correctly.

- **Device name:** Give the device a name for easier and correctly setup.
- **Device type:** Make sure of the correct type of device. The problems that some devices can't solve.
- **Connect port:** Some I/O devices' and PTZ camera's output controls base on RS-232. Please make sure to connect to the correct COM port.
- **Hexadecimal Address:** Part of the IO and PTZ camera can be connected to one or more devices. Preset of the address on the device is a must. Address setting here must be the same to the device to avoid error in control.

When finish, click the **Ok** button to saved and exit the screen.

7.1.3 Deleting I/O device

Click the right button of the mouse on the I/O device that wanted to be deleted; click **delete** then the device will be removed from the list. (Only System Administrator can delete a device).

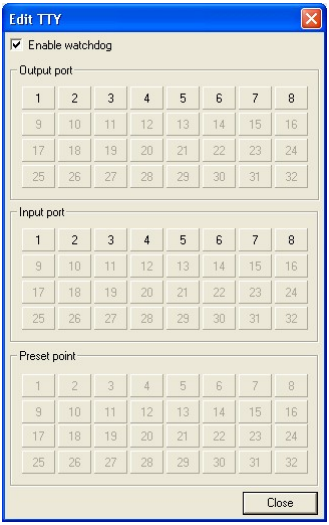
7.1.4 Editing I/O Device

Click on the device to be edited the Editing I/O device dialog will pop up for editing.

7.1.5 Setting up I/O Device

Double click the desired device to pop up the I/O Device setting dialog.

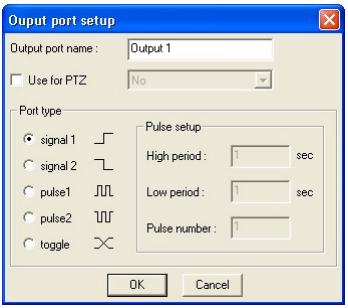
7.1.5.1 Watchdog Function



Only VGIO provides with watchdog function. The reset signal of PC main board shall be connected to the JP2 (1, 2) of **VGuard** card and the JP2 (3, 4) of **VGuard** card be connected to the reset switch of the front panel, so that the PC main board will have the reset function. If the computer, activated with **Chateau** program, crashed, the computer will re boot after 6.5 minutes.

7.1.5.2 Output Port Signal Type Setup

Select output port number, the Output Port setup dialog will pop up.



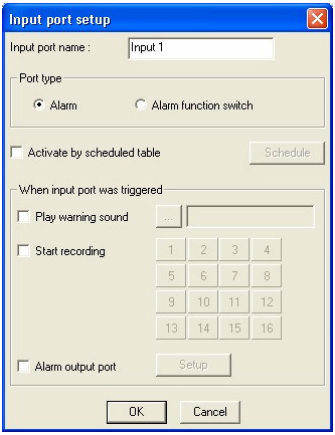
- **Output Port Name:** Setup Output port name.
- **For PTZ Control:** Enable it for PTZ control. Then select which PTZ control for this output port, include up, down, left, right, zoom in and zoom out etc.
- **Port Type:**
  - Signal 1: Low to high (Off to On). Defaulted.
  - Signal 2: High to low (On to Off).

- Pulse 1: Positive pulse
- Pulse 2: Negative pulse
- Signal 3:Toggle
  Signal 3 (toggle) is for switching ON and OFF the external device. If the external device is ON, user can control the output port to turn it OFF. If the external device is OFF, user can control the output port to turn it ON

- **Pulse setup:**
  - High Period: The default frequency is 1 second while the upper limit is 999 seconds.
  - Low Period: The default frequency is 1 second while the upper limit is 999 seconds
  - Pulse number: The default number is 1 while the upper limit is 99.
- **OK:** Click **OK** to confirm.

7.1.5.3 Input Port Mode Setup

Click on an input point number, the input port mode dialog will pop up for setting:



- **Input port Name**: Setup Input port name.
- **Port Type**: Trigger mode selection.
  - Turn **on/off Alarm**: Active or inactive set alarm function for **Chateau** system. When this port triggered, the alarm status will turn off if it was on before. And vise versa.
  - **Trigger alarm**: When alarm detected signal, it will triggered the set alarm action.
- **Activate Input Point timetable:** Activate timetable can be set for each input point individually. Other then the timetable set, the alarm will not be activating when the input point is triggered. Setting of the timetable is same to the setting of the camera's alarm timetable. Please refer to Chapter 6.1.2 Activate condition for more information.

- **Play Alarm Sound:** Select this option and click **Select**, the sound selection dialog will pop up. Select the wanted sound file and click **OK**. The sound file name will appear on the playback column to finish the sound selection.

- **Activate Local Site Recording and Remote Alarm:** Select camera number, the **Input trigger alarm camera setting** will pop up.
  - **Start Recording:** If select active recording and the assigned camera are set for remote alarm, this function will activate remote alarm function. The duration of recording will be the time defined in alarm duration of Alarm Setup.
  - **Trigger to preset:** A dome camera can fast turn the camera to a preset point upon triggering by an input signal. Setup: Select the trigger to preset function and set the trigger preset, (**Note:** Make sure that the respective settings of PTZ device are made during the camera setup) **Dwell time** and **Back preset**.
- **Enable Output Port:** This may drive the output devices to output signals. Click **Setup**, the Alarm output control panel dialog will pop up to select desired output device's group and output points.

7.2 PTZ Control Panel

Click button from the panel to display the control panel. Click button already shown on the panel to open PTZ control panel like the left. Please refer to Chapter 4.3.4 PTZ control select for more detail. A remote connected user with the authorization to control remote I/O device can also remote control the PTZ devices from this control panel.

7.2.1 Direction Control

PTZ control panel provides 8-direction control. Move the cursor to the button for desired direction and hold the left button of the mouse to perform the desired turn. When the button is released, the turn also stops. **Some dome cameras may support only 4 directions, i.e. Up/down, right/left. Users please check with us in advance.**

7.2.2 Iris, Focus, Zoom Control

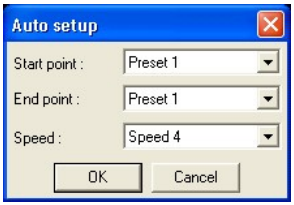
Move the cursor to the desired control button and hold the mouse on left button to perform the desired operation. When the button is released, the operation also stops. The circles to right of Iris and Focus are used to activate “auto-iris” and “auto-focus” control. **Some dome cameras may not support these functions. Users need to check with vendors in advance.**

7.2.3 Preset point function and its setup.

Only dome cameras support the Preset function. Click the Preset button on the PTZ control panel, the camera will fast move to the preset point. According to the type of dome camera, a maximum of 32 preset points can be set. To set the preset points, move the camera to the desired position, and click the button on the PTZ control panel to finish preset point setup.

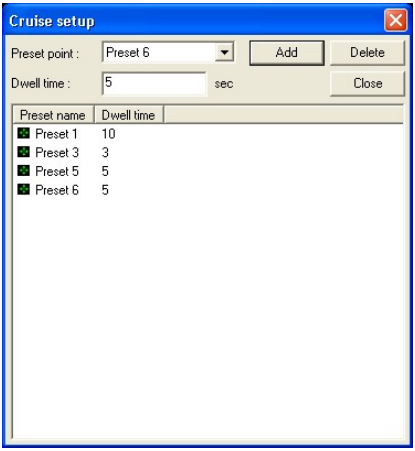
The way to set PIH717X is slightly different. For example, to set the third preset point, you should first click the button of the third preset point on the PTZ control panel, then move the camera to the original third preset point first, and use the direction, focus and Zoom buttons to move the camera to the new preset point; last, click the button on the PTZ control panel to preset.

7.2.4 Auto Pan Function and setup



Only dome cameras support auto-pan function, allowing camera to fast and horizontally move between two points. Click button to the right of **Auto** button on the PTZ control panel to pop up the dialog to enter the setting. Specify the preset start/stop points and the camera pan speed. Click **OK** button to complete the setup. Auto-pan moves cameras horizontally between the preset start point and the preset stop point rather than simply from the preset start point to the preset stop point. **Some dome cameras may not support this Auto-pan function. Users need to check with vendors in advance.**

7.2.5 The Cruise Function And Setup

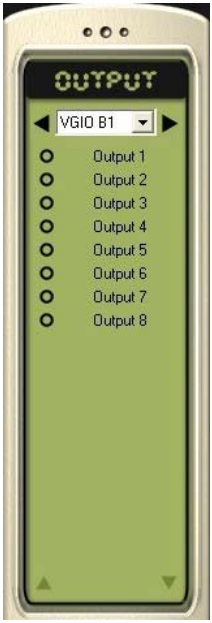


After finishing preset point setup, you can have **Chateau** Programs supplemental function, i.e. “Cruise”. Cruise allows you to have the cameras to fast move in a user-defined sequence and to define the camera stay-time at each point.

Click at the right of **Cruise** button on the PTZ control panel to enter into the Cruise Setup screen:

Select the Preset point first and then input the Dwell time. Click **Add** button to complete the setup. Users may arrange the sequence of the Preset point and the Dwell time at each point as desired. To delete the preset point, select the preset point name and click delete. **Cruise is the fastest speed for cameras to move to each preset point. Some dome cameras may not support these functions. Users need to check with vendors in advance.**

7.3 Output Port Control



Click on the main function panel to display control panel. Click to switch to output control panel like the left. You can click arrow to select set output device and click the output point name to control the on/off of that point. Please refer to Chapter7.1.5.2 Output Port signal type setup for more detail.

A remote connected user with the authorization to control remote I/O device can also remote control the I/O devices from this control panel.

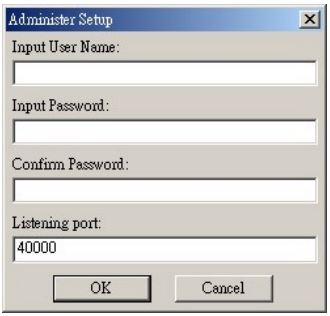
Chapter 8: ChateauServer

To monitor a remote recording display or to transmit an alarm video through LAN, Internet or Intranet, a **ChateauServer** program must be set in order that the data of whole **Chateau** System can work.

8.1 Starting ChateauServer

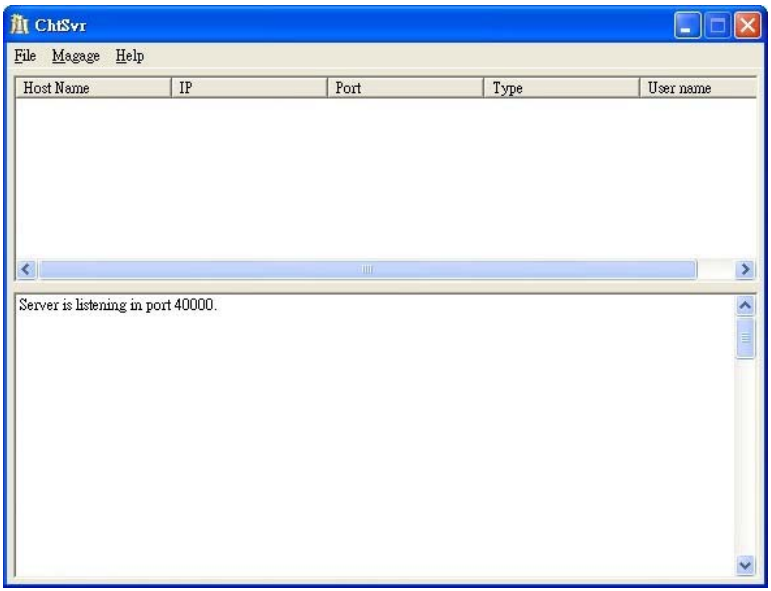
Double click on the shortcut icon of **ChateauServer.exe** as illustrated below to start **ChateauServer** program, or to select **ChateauServer** program form the program folder by click once on the **ChateauServer**.

At the very first start up of **ChateauServer**, the **System Administrator** Setup dialog will appear as follows:



Please input the administrator's name and password. The listening port can be as defaulted. **ChateauServer** program only have one System Administrator. If user forgets the password, you will require uninstalling **ChateauServer** program and also all the files in **Chateau** Directory then reinstall to setup a new System Administrator.

8.2 ChateauServer Window



8.2.1 Login / Logout

Click the **File** can login user. Before you leave the computer, we suggest you logout **ChateauServer** program.

8.2.2 Shutdown/ Start ChateauServer

Click Shutdown Server, the **ChateauServer** is then temporarily suspended and all connections are also terminated. However, the program is not really ended. (All the **Chateau** system connected will be disconnect to the **ChateauServer**).

Click Start Server, **ChateauServer** will reactivate. All **Chateau** System will automatically connect to this **ChateauServer**. (The Auto connects Server function need to be activated).

8.2.3 Auto Start

ChateauServer supports Auto Start of program after the operating system starts up. Click File command and a pull-down menu appears. Select the **Auto Start** to enable the immediate auto-start of the

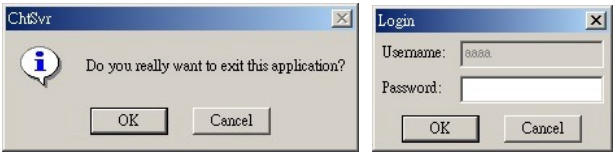
ChateauServer program after the computer powered-up, so as to match with the Automatically connect to server function of the **Chateau** application program.

8.2.4 Web service

Active the web service for the **ChateauServer** program. All the connected hosts, include **VGN Embedded DVR** or PC based DVR can be monitored by this web service. Please refer to Chapter 9.7 Remote DVR Using IE Browser for more information.

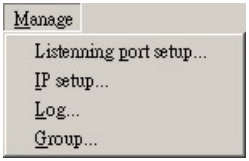
8.2.5 Exit ChateauServer Program

To exit **ChateauServer** program, the program will demand that the user input his/her password as a confirmation in order to avoid accidental or unauthorized termination.



8.2.6 Listenning port setup

Firstly you will require to login **ChateauServer** program, and shutdown Server before you can change the setting of listening port. Click the **Manage** and the below menu will appear:



Select Listening port setup to open dialogue:

When this port is changed, user will also required changing the server's communication ports from the network setting for VGuard N series and also the communication ports from the address book setup for **Chateau** System. The value will need to be the same.

8.2.7 IP Setup

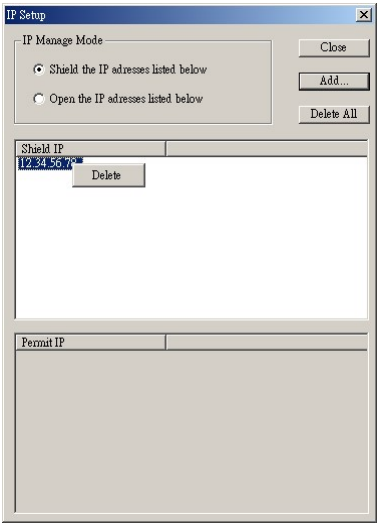
IP Setup can allow or limited the remote **Chateau** System of remote Embedded DVR to connect to this server. Click the **Manage** and select **IP Setup** then the dialogue will appear:

IP Manage modes are as follow:

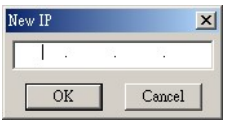
1. **Shield the IP address listed below:** IP addresses listed here are the IP addresses not allow to be connected. Under this mode, all

other IP address except listed here are allow to connect to the server.

2. **Open the IP address listed below:** IP addresses listed here are the IP addresses allow to be connected to the server. Under this mode, except the IP addresses listed here, all other IP address will not be allowed to grant connection to the server.



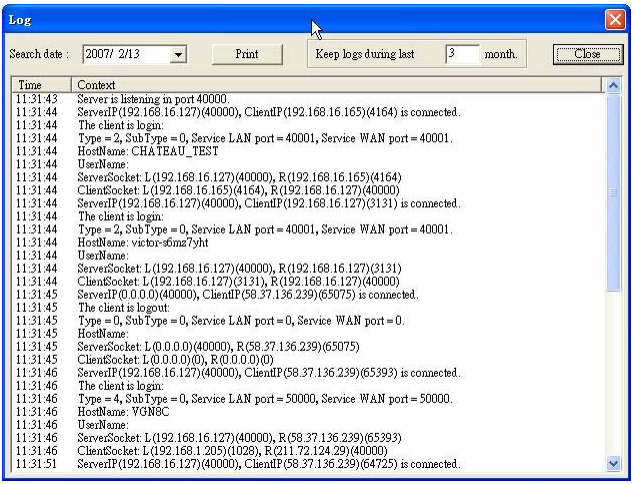
Click the **Add** button and the Add IP address list dialog will pop up.



To delete an IP list, click the right button of the mouse on top of the IP address and select delete. To delete all address, click delete all to remove them all.

8.2.8 Open log

ChateauServer will record all the connection actions for checking. User can setup up the log keeping time to free the HDD spaces.


Log
Search date :
2007/ 2/13
Print
Keep logs during last
3
month.
Close
Time
Context
11:31:43 Server is listening in port 40000.
11:31:44 ServerIP(192.168.16.127)(40000), ClientIP(192.168.16.165)(4164) is connected.
11:31:44 The client is login:
11:31:44 Type = 2, SubType = 0, Service LAN port = 40001, Service WAN port = 40001.
11:31:44 HostName: CHATEAU_TEST
11:31:44 UserName:
11:31:44 ServerSocket: L(192.168.16.127)(40000), R(192.168.16.165)(4164)
11:31:44 ClientSocket: L(192.168.16.165)(4164), R(192.168.16.127)(40000)
11:31:44 ServerIP(192.168.16.127)(40000), ClientIP(192.168.16.127)(3131) is connected.
11:31:44 The client is login:
11:31:44 Type = 2, SubType = 0, Service LAN port = 40001, Service WAN port = 40001.
11:31:44 HostName: victor-s6mz7yht
11:31:44 UserName:
11:31:44 ServerSocket: L(192.168.16.127)(40000), R(192.168.16.127)(3131)
11:31:44 ClientSocket: L(192.168.16.127)(3131), R(192.168.16.127)(40000)
11:31:45 ServerIP(0.0.0.0)(40000), ClientIP(58.37.136.239)(65075) is connected.
11:31:45 The client is logout:
11:31:45 Type = 0, SubType = 0, Service LAN port = 0, Service WAN port = 0.
11:31:45 HostName:
11:31:45 ServerSocket: L(0.0.0.0)(40000), R(58.37.136.239)(65075)
11:31:45 ClientSocket: L(0.0.0.0)(0), R(0.0.0.0)(0)
11:31:46 ServerIP(192.168.16.127)(40000), ClientIP(58.37.136.239)(65393) is connected.
11:31:46 The client is login:
11:31:46 Type = 4, SubType = 0, Service LAN port = 50000, Service WAN port = 50000.
11:31:46 HostName: VGN8C
11:31:46 UserName:
11:31:46 ServerSocket: L(192.168.16.127)(40000), R(58.37.136.239)(65393)
11:31:46 ClientSocket: L(192.168.1.205)(1028), R(211.72.124.29)(40000)
11:31:51 ServerIP(192.168.16.127)(40000), ClientIP(58.37.136.239)(64725) is connected.

8.2.9 Group

This group functions can categorize the recording hosts connected to **ChateauServer**. User can create new group and move the hosts to the new group created. When using IE browser remote, user can find the hosts according to the group name.

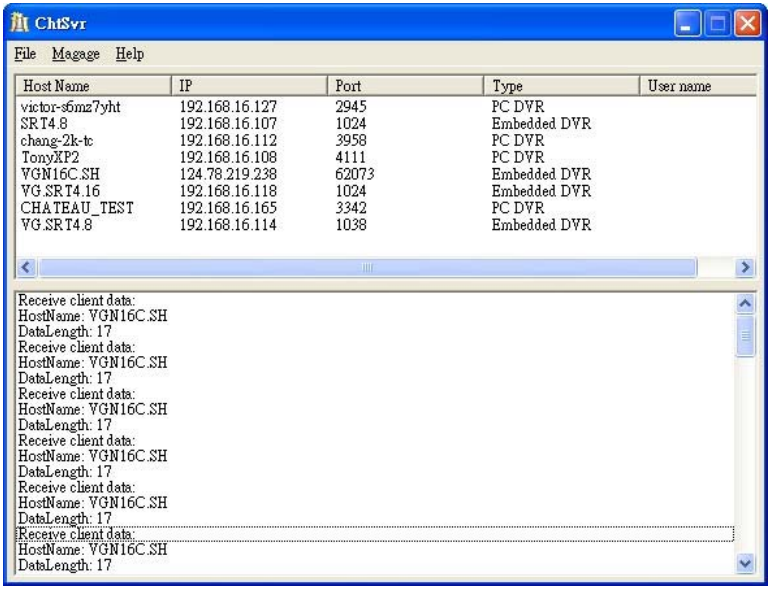
Firstly, on the top level of the Video Server Group, click the right mouse button to create a new group:

Click the right mouse button to move the hosts to the categorized group.

Group categorize finished as below:

8.3 The Connection Contents

The upper parts of the **ChateauServer** window display all the connection contents for all hosts. The lower part is the connection action content.



8.4 Refuse Connection

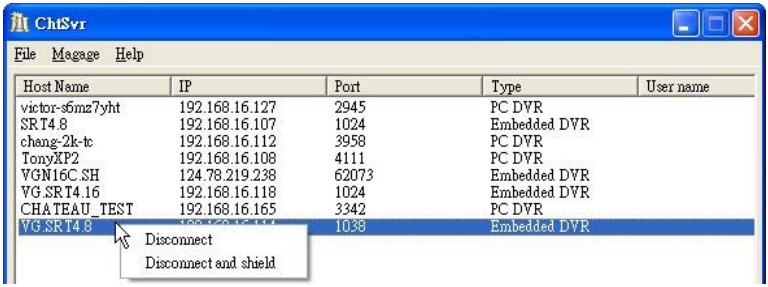
As **Chateau** Host had the auto connection to the server function, so if you want to disconnect other **Chateau** hosts' connection, you will have to refuse that host and reconnect again.

Operation: You can click the right button of the mouse on that host name and select **Refuse Connection** to disconnect the host. This IP address in the future will not be able to connect to your server again.

If you disconnect the host connection this way, if the IP manage mode is under Shield IP Address mode, this IP address will be added automatically into the shield IP address. If the "IP Manage" mode is under Open IP address mode, this IP address will be deleted from the Open IP address and this IP address will not be able to connect to your server again.

The IP address can only be able to make connection to your server if you add this in the open IP address or delete this IP address from the shield IP address.

Note: Using of this function might cause the host not able to connect to the server because of the setting. Please read this manual thoroughly before you use this function.


ChtSvr
File Magage Help
Host Name IP Port Type User name
victor-s6mz7yht 192.168.16.127 2945 PC DVR
SRT4.8 192.168.16.107 1024 Embedded DVR
chang-2k-tc 192.168.16.112 3958 PC DVR
TonyXP2 192.168.16.108 4111 PC DVR
VGN16C.SH 124.78.219.238 62073 Embedded DVR
VG.SRT4.16 192.168.16.118 1024 Embedded DVR
CHATEAU_TEST 192.168.16.165 3342 PC DVR
VG.SRT4.8 1038 Embedded DVR
Disconnect
Disconnect and shield

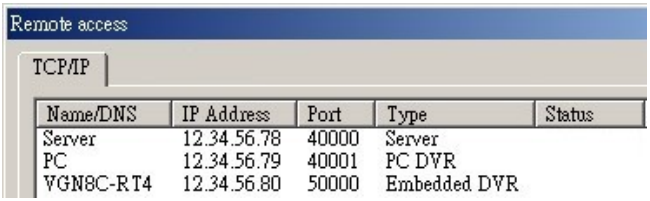
Chapter 9: Remote Access

Chateau System can transmission video files and control, activate remote control through TCP/IP supported LAN or Internet.

LAN can provide wider bandwidth for the transmission of the larger files. The speed for remote under LAN is almost the same as the local site.

Click

button, the Remote access selection window will come to screen. When you have already set up the Address Book as instructed in Chapter 3.9 Address Book. Window will automatically pop up for the available **ChateauServer**, or P to P connection's **Chateau** Host or Embedded DVR for connection.

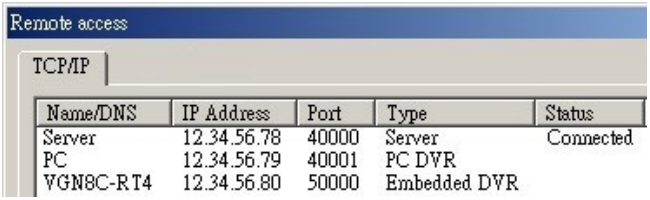


9.1 Remote control using ChateauServer

First, you need to define the names and passwords, log in the name and password to the local **Chateau** system, then connect to **ChateauServer** Program, and finally connect to the remote **Chateau** system. Those three groups of user names and passwords must be completely identical so as for the program to automatically complete the user auto-login. For defining user access auditing, please refer to Chapter 3.5 User.

Click

button, and select **TCP/IP** option. Select the **ChateauServer** to connect. Double click on its name to connect to **ChateauServer**. After connection is established, the Status field shows **Connected** as illustrated **below.**



Click **OK** button to end the remote monitoring menu. All the hosts connect to this **ChateauServer** will be appear on the Host control panel. Double click to the system host for remote monitoring, switch to the remote host for remote monitoring; then the display window will be change to the remote host split window.

Double click by the right mouse on the server name to exit the remote monitoring

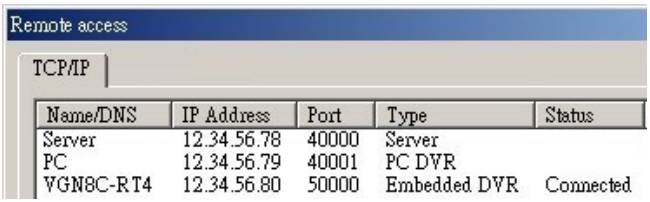
Note:

1. All of the **Chateau** systems connected to a same **ChateauServer** will be shown on the Host menu; however, you still need the access auditing granted by these remote hosts to perform remote monitoring at those remote hosts. (The remoted host need to set it's user name and password in the remote host.)
2. **Chateau** system still needs to connect **ChateauServer** programs even when operating in the same computer.

9.2 P to P remote control

Chateau not only can provide remote connection for many systems through **ChateauServer** program, and can also provide P to P single connection function. You will not require starting **ChateauServer** Program for this. **Please take notice of the connection way. The PC DVR or the Embedded DVR remote to or for remote will have to be under Real IP**. **Or both sides will be under the same section of the LAN**. Click

button and the remote monitoring page will pop up. Select PC DVR or Embedded DVR for connection (Address setup please refers to Chapter 3.9 Address Book for more information). Double click the left button of the mouse to connect to the require system. After connection, the status from the status column will display as connected as below:



Under Host Control Panel, the connected P to P hosts will be displayed. Double click on the left hand side of the mouse to switch to the remote system for remote control. The system will automatically display the split window images from the remote site. And the host name will be automatically switched to the remote host name under status panel.

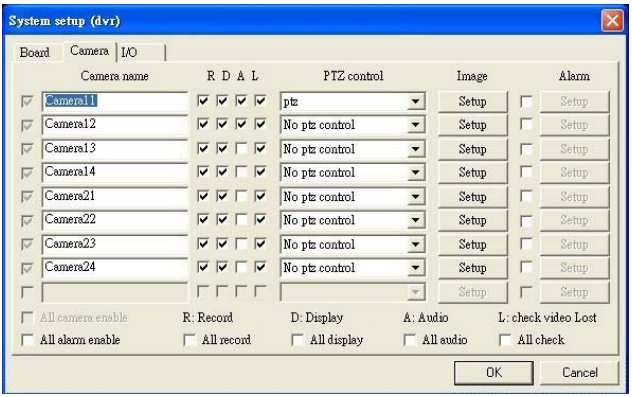
9.3 Remote host system setup control function.

Remote control will be different according to the login user's authorizations.

User's authorization is depending on the authorization setting for logging in the host, not the remote site authorization. Please refer to Chapter 3.5 User for more detail.

After host panel had switch to remote host, only the

of the control panel buttons are for remote host system setting. All other buttons are local site host control button. And the remote host system setting is different to the local site. Setting manual as below:



9.3.1 VGuard Board Setup

If the remote **Chateau** System is not in recording, you may change its board settings during this period of time. If the remote system has already activated recording function, this function then is not workable

9.3.2 Camera Setup

Except the enable and disable camera functions, all other functions are changeable. Setup is same to the local site. (Please refer to Chapter 6.2 Setup for receiving DVR remote warning for warning setup.)

9.3.3 Unmask or mask detection area

Only the remote site is log in as **System Administer** will be able to see, setup or delete the mask area. Click on the desired remote camera, and then click the Unmask button on the Camera Setup Section to cancel all the detection areas. You can also set up a new detection area; setup is the same to the local site. (Remote Embedded DVR does not support this function)

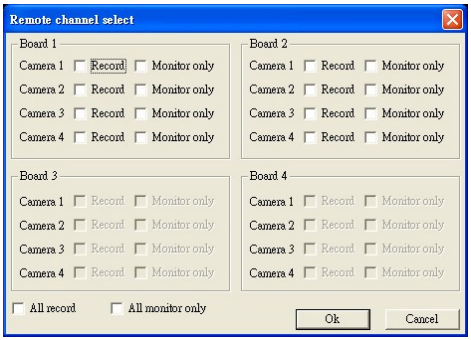
9.3.4 Video Configuration

Click the Video Configuration button on the Camera Setup Section to change the remote video configuration as desired.

9.4 Remote recording and Remote function

After switching to remote host, click

to pop up the dialog as below:



User will need to select the desired camera for recording or not recording. After clicking Ok button, the system will then transmit the images to the local system's image section for display or record as preset.

9.5 Remote PTZ and Output Port Control Functions

After switching to the remote host, setting of the remote PTZ and Output Control function are the same to the local site. Please refer to Chapter7.2 PTZ control panel and Chapter7.3 Output Port Control for more detail. Remote PTZ control panel only provide control function, not the setting function.

9.6 Remote/Monitoring Setup Example

When using TCP/IP for remote monitoring (Includes LAN, Internet, etc), communicate and transmission between hosts have to go through **ChateauServer**. One of the hosts has to activate **ChateauServer** program for this. This host does not need to install with **VGuard** cards.

- **Setup Server (Listening Port: defaulted 40000)**

1. Install Server software on a computer, this computer is better to have a fixed IP address.
2. If the server is set on a real IP on internet (etc 211.172.12.34), If the server's IP is 211.172.12.34 and the communication port is 40000, All the network setting for all **VGN Embedded DVR** or **ChateauRT4** system address setting on the internet, the Server IP will need to be 211.172.12.34.
3. If the server is set on a virtual IP on internet (etc 192.168.1.11), If the server's IP is 192.168.1.11 and the communication port is 40000, All the network setting for all **VGN Embedded DVR** or **ChateauRT4** system address setting under the same LAN, the Server IP will need to be 192.168.1.11.
4. If server is set on a virtual IP under LAN (i.e. 192.168.1.11), but also require for Internet uses, then you will require to do NAPT (Network Address Port Translation) in your router to correspondence. You can then able to connect to the computer with

the server through router under LAN
192.168.1.11:40000 < -------- > 211.172.12.34:40000

This means, the Server IP setting for **VGN Embedded DVR** network setup or **Chateau** system address setup:

If under Internet to connect to server, all Server IP address is 211.172.12.34.

If under the same LAN with the server, then the Server IP address is 192.168.1.11.

- **VGN Embedded DVR network setup**

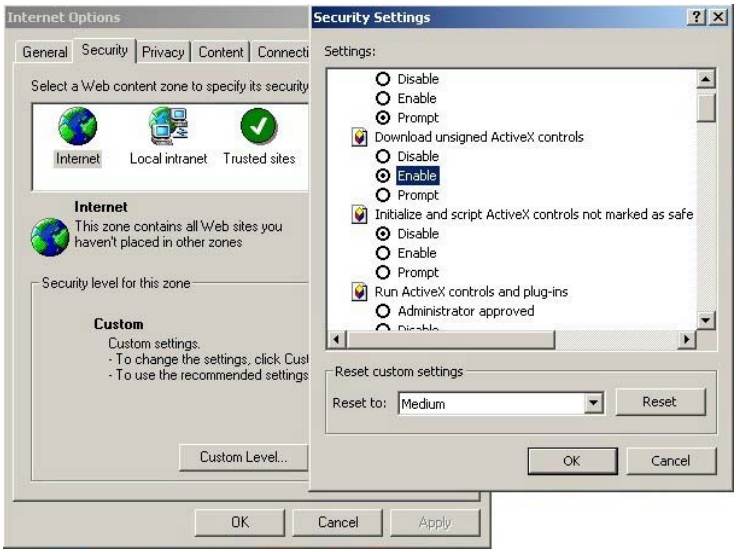
1. If the recording site (**VGN Embedded DVR, and Chateau** hosts) is using real IP address for internet (ie.211.175.21.43)
   VGN Embedded DVR network setting is as follow:
   Communication Port Setup: LAN: 50000; WAN no special value required
   Chateau network setting as follow:
   Communication Port setup: LAN: 40001; WAN no special value required.
2. If the recording site (**VGN Embedded DVR, and Chateau** hosts) is using a virtual IP address under LAN (i.e. 192.168.2.20) and the monitored site is under the same LAN:
   VGN Embedded DVR network setting is as follow:
   Communication Port Setup: LAN: 50000; WAN no special value required
   Chateau network setting as follow**:**
   Communication Port setup: LAN: 40001; WAN no special value required
3. If the recording hosts (**VGN Embedded DVR**, **Chateau** hosts) is under LAN with virtual IP address (i.e. 192.168.2.20), the remoted host is not under the same LAN and is remote through Internet, then you will require doing NAPT (Network Address Port Translation) in your router to correspondence. You can then be able to connect to the **VGN Embedded DVR, Chateau** system for remote through router under LAN.
   VGN Embedded DVR network setting as below
   IP 192.168.2.20; Listening Port setting: LAN 50000 WAN 60001
   IP 192.168.2.21; Listening Port setting: LAN 50000 WAN 60002
   IP 192.168.2.22; Listening Port setting: LAN 50000 WAN 60003
   Chateau network setting as below
   IP 192.168.2.23; Listening Port setting: LAN 40001 WAN 60004
   IP 192.168.2.24; Listening Port setting: LAN 40001 WAN 60005
   IP 192.168.2.25; Listening Port setting: LAN 40001 WAN 60006
   Note: LAN and WAN setting port numbers have to be different on the same host.
   Router network setting as below

192.168.2.20:50000 < -------- > 211.175.21.43:60001
192.168.2.21:50000 < -------- > 211.175.21.43:60002
192.168.2.22:50000 < -------- > 211.175.21.43:60003
192.168.2.23:40001 < -------- > 211.175.21.43:60004
192.168.2.24:40001 < -------- > 211.175.21.43:60005
192.168.2.25:40001 < -------- > 211.175.21.43:60006

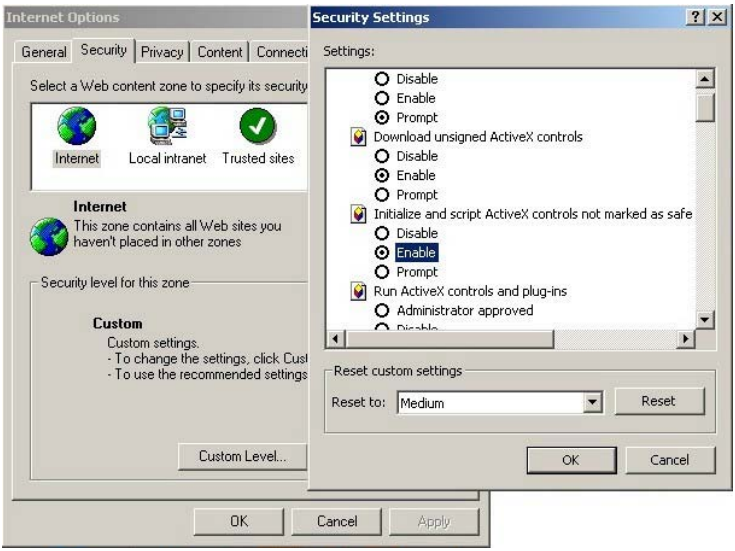
9.7 Remote DVR using IE browser

The **Chateau** Hosts (Web Camera Service function need to be activate) require to be monitored, which IP address is 192.168.16.107; or the **ChateauServer** provide with Web Server (Web service function need to be activated), which IP address is 192.168.16.107. (IP address here is an example only, please refer to your own IP address for setup)

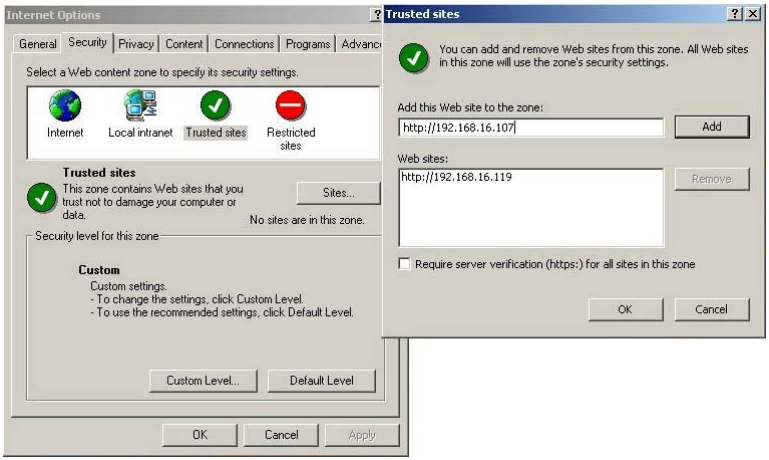
- You will require to setup “Security” from Internet Options
  1. Select “Internet” options
  2. Select “custom level” setup
  3. Enable or prompt “Download Unsigned ActiveX Controls “as below:



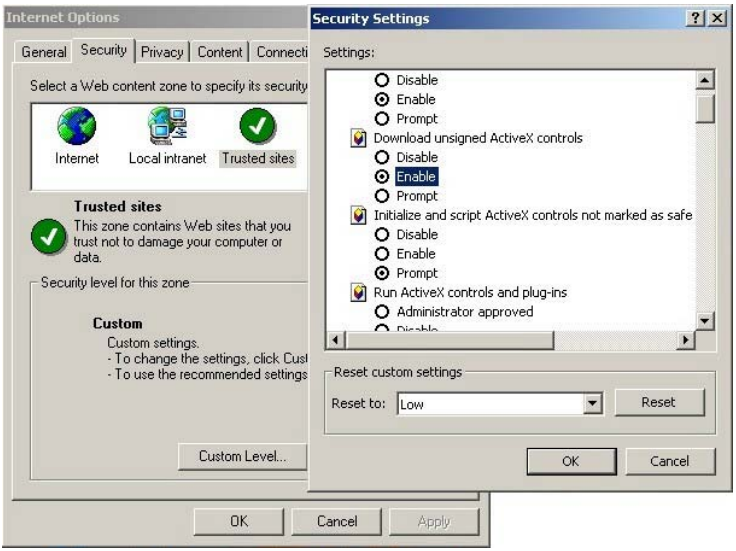
4. Also select Enable or prompt for “Initialize and Script ActiveX Control not mark as safe” as below:



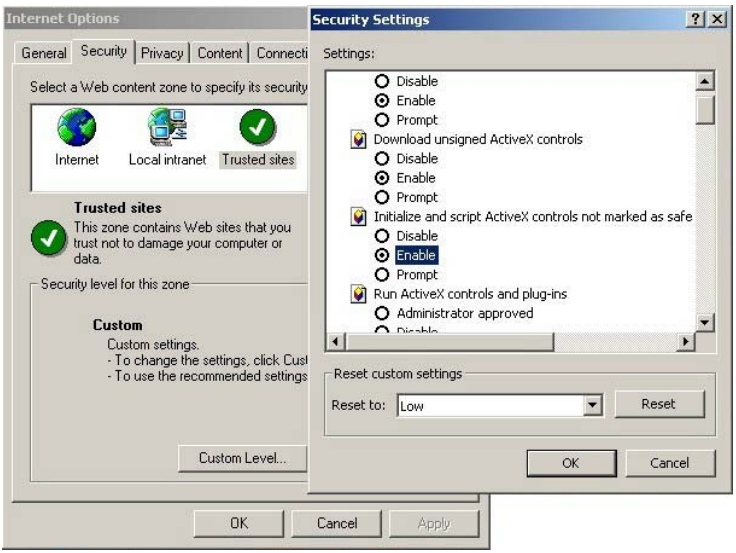
5. Select “Trusted Sites”
6. Untick “Require Server Verification (http://) for all sites in this zone”
7. Web address for the **Chateau** host to be monitored or for the **ChateauServer**: http://192.168.16.107 (Please enter the IP address according to your own IP) to “Add this website to the zone” and click Add as below:



8. Select “Custom level” setup
9. Enable or prompt “Download Unsigned ActiveX controls”.

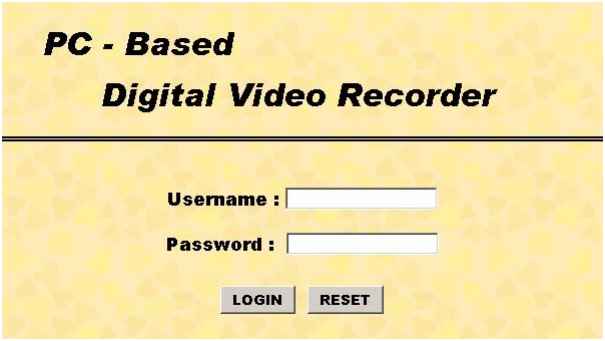


10. Select Enable or prompt for “Initialize and Script ActiveX Control not mark as safe” as below:



- IE Remote DVR

1. If connect directly to the web address for the **Chateau** hosts, please type in http://192.168.16.107 (The IP address are for demonstration, please setup according to your own IP address). If you are using floating IP address, and had applied DDNS, then you can inset the Domain Name directly. Enter the below window:



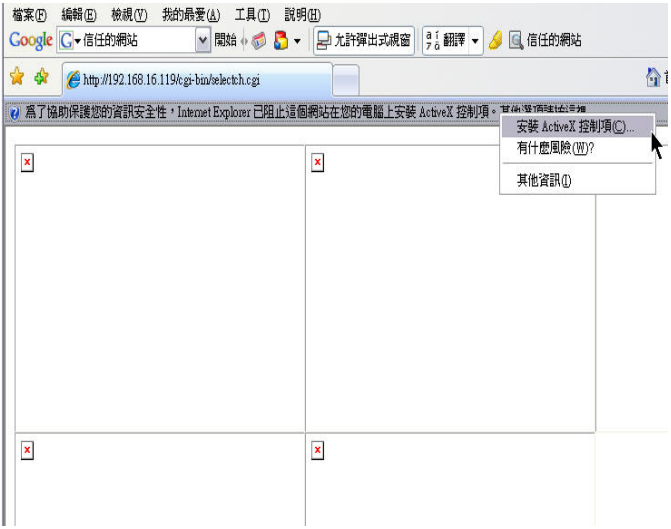
If under the web server function for **ChateauServer**, type in http://192.168.16.107:8080 (Connection to **ChateauServer** use the 8080 communication port, the IP address are for demonstration, please setup according to your own IP address). If you are using floating IP address, and had applied DDNS, then you can inset the Domain Name directly and add "**:8080**". Then enter the below windows:

Click ENTER and enter the host selection window. If groups are set for **ChateauServer** program, then the group categorize window will be shown to search for the hosts for monitoring. Select the hosts then enter the window to input user's name and password.

2. Please insert the correct username and password. If both are correct, then the following will be shown:

in the above images means that channel three is set as off. means that these users are not authorize to remote this camera.

3. Select the camera for remote, and click “submit” button.
4. If you have select for your ActiveX control setting, and this is your first time using IE to remote DVR, The system will require you to install ActiveX. Please follow the instruction and install ActiveX control software. Restart IE and the following will be shown:



If installation from the Internet is not available, you can also install the “CHIEWebDecoder” program in the CD-ROM provided or download from our website.

5. You will be able to remote monitor VGuard N series using Internet Explorer. Images as bellow:

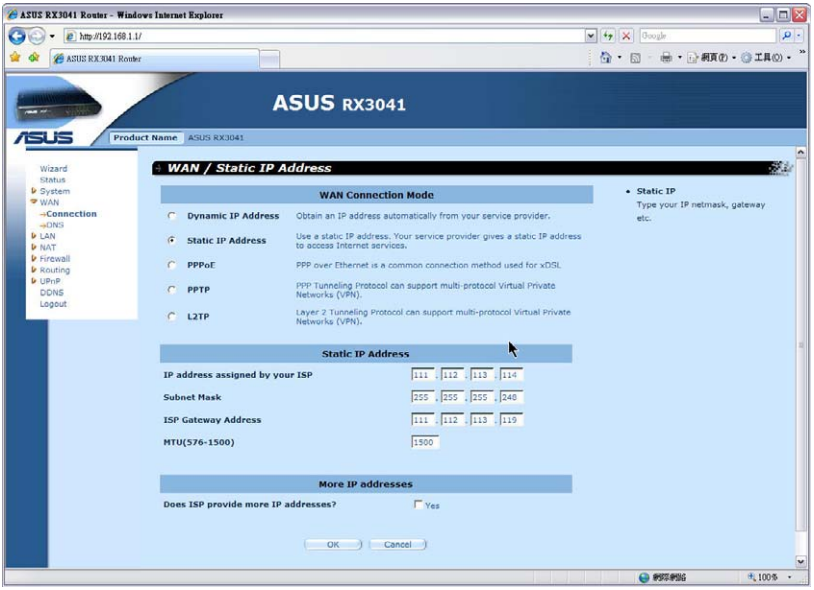
The above setting is used when DVR is real IP address (ISP will provide fixed/real IP address or the IP address received from ADSL connection), or DVR and the computer using IE browser is under stand LAN network.

If DVR is under Router or IP share, you will require setup up NAPT (Network Address Prot Translation) from your Router or IP share. As of the differences of IP share and Router, please check the user's manual for your Router and IP share for setup.

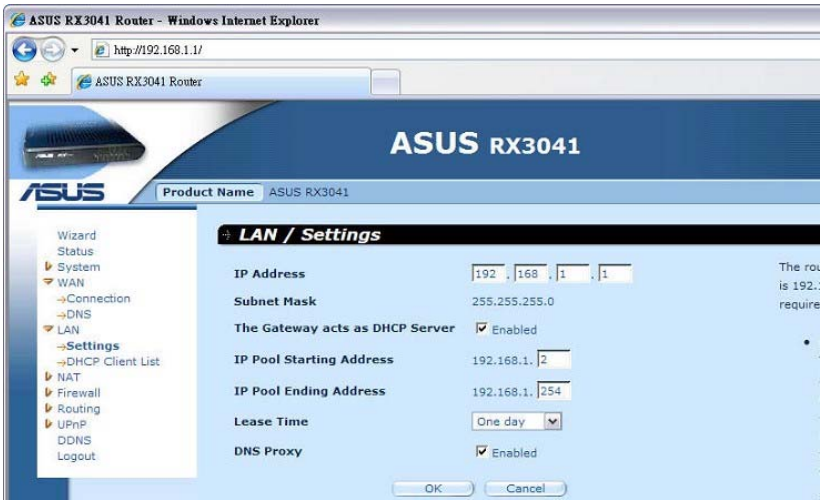
We would set an example here using ASUS's Broadband Router with 4 port Switch (Model RX3041) for an easy explanation of how to remote.

You will require few setup details. Assume that there are 2 DVR (DVR_1 and DVR_2) behind router.

1. IP address (Outside) for this router is 111.112.113.114. (Please setup the IP address using your own network IP address). Setup as below:



2. IP address (Inside) for the router is 192.168.1.1, and the IP address for all internal network is 192.168.1.2~192.168.1.254 (Please setup the IP address using your own network IP address). Setup as below:



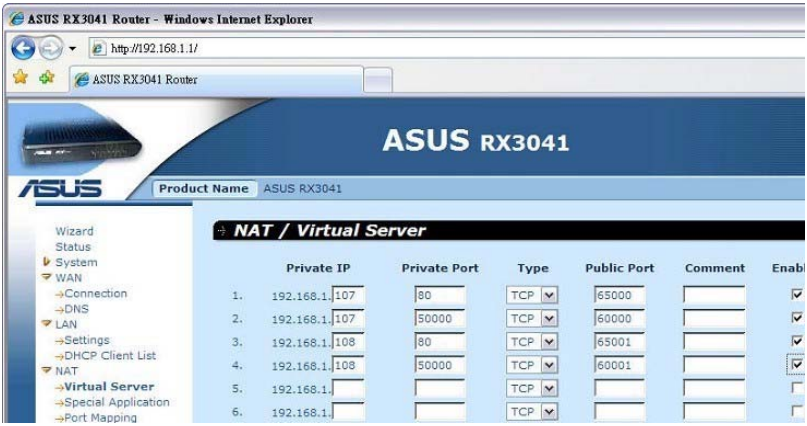
3. DVR_1 IP address 192.168.1.107, Network communication setting port LAN: 50000, WAN: 60000 (The default value are 40001, It had been modified in this example. Please setup the IP address using your own network IP address)

4. DVR_2 IP address 192.168.1.108, Network communication setting port LAN: 50000, WAN: 60001 (The default value are 40001, It had been

modified in this example. Please setup the IP address using your own network IP address)

Note: WAN setting port numbers have to be different.

5. Router RX3041 will require for the setting as below. User will require setup according to your own router system. (Private Port 80 is for use as Web Server).



192.168.1.107:80 < --------- > 111.112.113.114:65000
192.168.1.107:50000 < --------- > 111.112.113.114:60000
192.168.1.108:80 < --------- > 111.112.113.114:65001
192.168.1.108:50000 < --------- > 111.112.113.114:60001

After setting, to open the webpage for DVR_1, please type in http://111.112.113.114:65000(Please setup according you're your own network address)

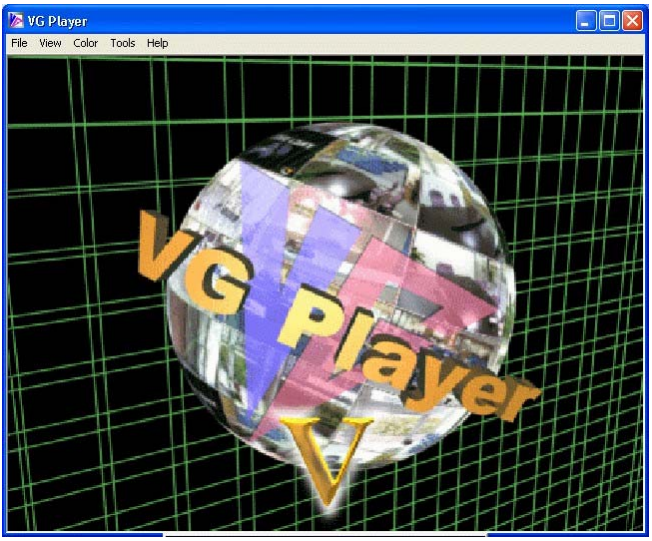
To open the webpage for DVR_2, please type in http://111.112.113.114:65001(Please setup according you're your own network address)

If monitoring through the web server function under **ChateauServer**, and the **ChateauServer** is under LAN, assume that the virtual IP address is 192.168.1.109, the NAPT setup is as below:
192.168.1.109:8080 < --------- > 111.112.113.114:65002
Type in http://111.112.113.114:65002 to connect to the web server function for **ChateauServer**. (Please type in your own IP address)

Chapter 10: VG Player Program

A **VG Player** program is included in the **Chateau** software.

You can use this program to playback all image files that **Chateau** program recorded. After activate the **VG Player** program, the follow is shown:



The Panel will expand as below when the button is clicked.

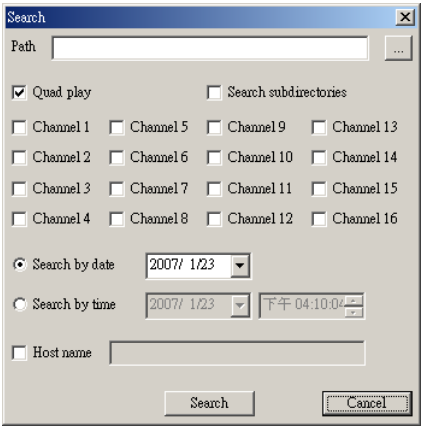
The panel will be back to normal when the button is clicked.
When panel expanded, the button functions are just like the playback functions of **Chateau** program. The only differences are **Open VG Files** and **switch to full screen** buttons. Please refer to Chapter 5.2

Video File Playback for detail description.

10.1 VG Player

10.1.1 Search

VG Player also support search for VG files by parameter. Under File command, select the file search and the below will show:



Firstly you can search by directory, select the directory that the recorded file is save, select camera and date or time. Quad playback can select 4 cameras at once for simultaneously playback.

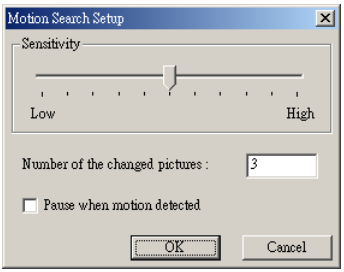
10.1.2 Color Configuration

VG Player supports a great color configuration function. You can adjust the image's **Brightness**, **Contrast**, **Saturation** and **Hue** for better image effect.

Under Main Screen, select **Color** and select **Color configuration** function, then the following window will be shown for the configuration.

10.1.3 Motion Search Setup

This function is similar to **Chateau**'s Motion detection function. You can search for the changing of the picture when playback. Under setup command, select Motion Search Setup, and the below will pop up:



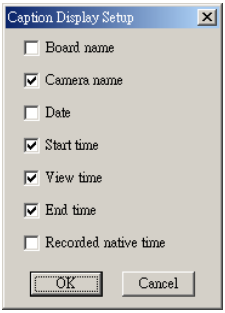
Setup is similar to **Chateau**'s motion detection setup. You will require selecting active motion search after setup to active this function. During playback, use the left mouse button to mask an area. Maximum of three mask area. **VG Player** will automatically fast forward until the movement is detected. If **Pause when motion detected** is selected, playback will pause and keep searching until play button is clicked. If **Pause when motion detected** is not selected, when motion detected, playback will be back to normal speed until the movement is stopped. Then fast forward to search for other movement. To cancel all mask area, click once on the left mouse button on the playback images.

10.1.4 Continuous Playback

Under setup command, select active continually playback. Program will automatically search for the closest file for the same camera under the same directory and automatically playback.

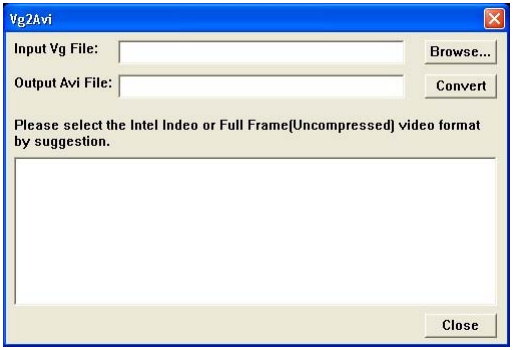
10.1.5 Caption Display Setup

You will be able to setup the caption message types, which are Card name, camera name, start time, time now, end time and local time for the recorded file.



10.2 VG to AVI

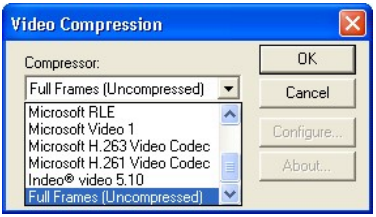
VG Player supports the conversion of VG Files (Includes VG, VGX and VGZ files) to AVI files. The files then can be playback by most of other playback software.
Firstly, select the Tool on the main screen. Then select VG to AVI function, the following will show



Note:When converting of VG files to AVI files, the data will be taken lots of spaces, if the original VG files are very large, it will consume a great amount of hard disk spaces, and also need longer time for the converting. Therefore, we suggest selecting the required fragment, using the start video clip function to edit into shorter video files, and then proceed with the converting to save time and hard disk spaces.

- Select Image file
  Click the Browse button, an open file dialog will pop up. Then search for the folder that the file is in and select the file type (VG, VGX, or VGZ format). The entire selected file name will be shown and just select for the one to be converted.

- Converting of files
  Click the convert button; select the AVI compression format to be converted to proceed with the converting of the files. The files after the conversion then can be playback using Windows image player.



Note: The compression program is different in every computer depending on the image software it had installed. Window will provide few standard formats, i.e. Intel Indeo® format, it is recommended to select this format to avoid incapable of playback from other computers.